Volume 169 No. 3

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

January 16 1956

RECEIVED
JAN 1 6 1956
THE CHEMISTS' CLUB LIBRARY

For PURITY UNIFORMITY

"AA QUALITY"

CONTROLLED CHEMICALS

Tested from raw material to finished product, you can count on AA Quality Controlled Chemicals always—to give you highest possible quality and uniformity. Write today for further information and Free samples. Backed by over 85 years of experience.

THE AMERICAN AGRICULTURAL CHEMICAL COMPANY · AA QUALITY

TRISODIUM, DISODIUM PHOSPHATE, Anhydrous & Crystalline
PHOSPHORIC ACID 75% Food Grade
PHOSPHORIC ACID 85% N. F. Grade
PHOSPHORUS PENTASULPHIDE · PHOSPHORUS SESQUISULPHIDE
PHOSPHORUS RED AMORPHOUS
AMMONIUM, MAGNESIUM, SODIUM and ZINC SILICOFLUORIDE
POTASSIUM SILICOFLUORIDE
SODIUM FLUORIDE and AMMONIUM FLUOBORATE
PHOS-FEED® BRAND DICALCIUM PHOSPHATE

Phone or Write Chemical Sales Division

The AMERICAN AGRICULTURAL CHEMICAL Co.
50 Church Street, New York 7, N. Y. • BArclay 7-1400
P.O. Drawer 2458, Detroit 31, Mich. • VInewood 2-0146

PRIMARY ALKYLAMINES

ETHYLAMINE
PROPYLAMINE
ISOPROPYLAMINE
BUTYLAMINE
sec-BUTYLAMINE
ISOBUTYLAMINE
AMYLAMINE

For additional information, write to Dept. O:

Pennsalt Chemicals
SHARPLES CHEMICALS Division
PENNSYLVANIA SALT MANUFACTURING COMPANY
PHILADELPHIA 2, PA

PUBLICKER
INDUSTRIAL CHEMICALS

PUBLICKER INDUSTRIES INC.
1429 WALNUT STREET
PHILADELPHIA 2, PENNA.
TEL. LOCUST 4-1400

One of the World's Largest Producers of Solvents

Butadiene

HIGH QUALITY

SODIUM SULPHATE

(Rayon Grade)

PACKED IN 100-LB. BAGS

PRIOR CHEMICAL CORPORATION
420 LEXINGTON AVENUE
NEW YORK
CABLE: PRIORCHEM NEW YORK
PHONE: LExington 2-9811

Chemicals you live by

DIAMOND CAUSTIC SODA

. . . a range of grades to meet the most exacting standards. Liquid and dry forms.

DIAMOND ALKALI COMPANY
CLEVELAND 14, OHIO

DIAMOND ALKALI CHEMICALS

EVERY FORM OF BORATES FOR EVERY POSSIBLE USE

borax
boric acid

Technical and U. S. F.:
GRANULAR, CRYSTAL, POWDERED
IMPALPABLE
Special Quality (C. P. +):
GRANULAR, POWDERED

OTHER BORATES
BORAX 5 MOL... a form of Sodium Tetraborate, newly available . . . send for special bulletin.
ANHYDROUS BORAX
BORAX GLASS
ANHYDROUS BORIC ACID
AMMONIUM BIBORATE
AMMONIUM PENTABORATE
POTASSIUM PENTABORATE
SODIUM METABORATE
SODIUM PENTABORATE
ANHYDROUS RASORITE*

RASORITE SPECIAL CONCENTRATES*
FERTILIZER BORATES*
(Regular and High Grade)
*Sodium Borate Concentrates

HERBICIDES
BORASCU®*...BORASCU 44
CONCENTRATED BORASCU*
POLYBOR®
POLYBOR-CHLORATE ®

Information, Bulletins, Quotations, Sent Promptly on Request

PACIFIC COAST BORAX CO.
DIVISION OF BORAX CONSOLIDATED, LIMITED
NEW YORK • LOS ANGELES • CLEVELAND • CHICAGO

MANUFACTURERS OF FAMOUS "20 MULE TEAM" PACKAGE PRODUCTS

Why you should use 'ROCHE' THIAMINE

HYDROCHLORIDE AND MONONITRATE

(vitamin B_1)

Here are ten persuasive reasons why 'Roche' thiamine should be your choice for pharmaceutical manufacturing

1. **U. S. P.** Both 'Roche' thiamine hydrochloride and mononitrate equal or exceed U. S. P. specifications.

2. **TWO TYPES.** Roche has *two types* of thiamine hydrochloride available for you:

   Regular—*for tablets, capsules, dry and liquid nutritive supplements and multivitamin preparations.*

   Ampul—*specially prepared for use in manufacturing parenteral solutions.*

3. **SPECIAL PROBLEMS.** Roche has thiamine mononitrate to help you meet unusual stability problems which can occur in dry cereal or pharmaceutical products. Also it may have advantages in certain pharmaceutical products where the pH range is above the safe level for the hydrochloride.

4. **STEADY SUPPLY.** Because Roche makes *quality* thiamine by the tons, you can be sure of a steady, *quality* supply.

5. **RESEARCH.** Continuing world-wide research brings you the latest developments in vitamin knowledge.

6. **PRODUCTION CONTROL.** Scientific production control assures you of consistent, highest quality.

7. **QUICK DELIVERY.** Every order receives prompt careful service from convenient points. Transportation at lowest rate allowed and prepaid to destination. Special routings at cost. And you *know* you can count on our promises.

8. **PACKAGING.** Packed in polyethylene bags in ½ and 1-kilo tamper-pruf metal containers and in fibre drums up to 20 kilos for the hydrochloride, 35 kilos for the mononitrate. Small quantities in amber S.C. bottles. *Ampul type* thiamine hydrochloride is sealed under inert gas in 100 gram S.C. bottles and in ½ and 1-kilo tamper-pruf metal containers.

9. **KNOW-HOW.** Roche know-how on vitamins can help you with solutions to compounding and packaging problems.

10. **SAMPLES** and technical assistance are yours on request. Ask your Roche salesman or write the Vitamin Division.

Make a note now... **CALL ROCHE FOR VITAMINS**

Vitamin Division • HOFFMANN-LA ROCHE INC. • Nutley 10, New Jersey

NUtley 2-5000

Pacific Coast distributor: **L. H. BUTCHER COMPANY, San Francisco • Los Angeles • Seattle • Portland • Salt Lake City**

In Canada: **Hoffmann-La Roche Ltd., 286 St. Paul Street, West; Montreal, Quebec**

JAN 16 1956

Oil, Paint and Drug Reporter

Vol. 169 No. 3 30 Church St., New York 7, N. Y. January 16, 1956

Ammonia Output Leaps

US production of anhydrous ammonia in 1955 is estimated at about 3,420,000 short tons, an increase of 25 percent over the 1954 output, according to a special survey issued last week in the December report of the chemical and rubber division of Business and Defense Services Administration.

This production, equal to 2,816,000 tons of nitrogen, represented a rate of output equivalent to 96 percent of capacity on January 1, 1955, the report stated.

Anhydrous ammonia production has been rising steadily since 1948 as a result of the combination of increasing demand and expanding facilities. The number of plants has increased from nineteen early in 1951 to thirty-five at the beginning of 1955. The nation is expected to have fifty-two plants by 1957.

Productive capacity at the beginning of 1955 totaled 3,545,000 tons (equivalent to 2,920,000 tons of nitrogen), an increase of 108 percent over that of January 1, 1951, the start of the nitrogen expansion program.

Anhydrous ammonia capacity was expected to reach 4,072,000 tons by January 1, 1956, and to increase further to about 4,757,000 tons early in 1957.

Total domestic capacity of nitrogen will bring these figures up as a result of small additions from by-product (cokeoven) materials and organic wastes. About half the capacity boost available from 1951 to 1957 represents facilities certified for rapid tax amortization under the government expansion program, BDSA pointed out.

The use of ammonia increased 16 percent in 1954 over that of 1953, but did not quite keep pace with production. Reported use distribution in 1954 accounted for 94 percent of production as against 98 percent in 1953, indicating an increase in producers' inventories in 1954.

Usage of ammonia for fertilizer increased in 1954, accounting for 74 percent of total distribution, compared with 67 percent in 1953. Conversely, ammonia usage for industrial purposes declined.

Montan Wax Dumping Alleged, Denied at Hearing

The Tariff Commission was urged last week to issue a finding of injury to American producers as a result of foreign montan wax entering the country at less than its fair value. Importers, on the other hand, argued that the situation has been corrected and no charges of dumping of montan wax should be sustained. Testimony that imports had injured domestic producers was given at a brief hearing before the commission by Frank De Angelis and J. T. Connolly of the American Lignite Products Company, Ione, Calif.

H. K. Intemann has been appointed executive vice-president of Electro Metallurgical Company, New York, a division of Union Carbide & Carbon Corporation.

Part of Anti-Dumping Probe

The hearing was part of the commission's investigation under the anti-dumping act to determine whether injury has been or is likely to be suffered by domestic producers since the Treasury Department had found that the imports entered the United States at less than fair value.

Pointing out that montan wax is an important industrial commodity, the witnesses told the commission that their company has been faced with "ruinous competition" from the imported product. Source of the imported product was given as East Germany and Czechoslovakia.

They cited a statement by Secretary of Commerce Weeks that the Soviet bloc sets its prices at any level deemed necessary to market a product. They noted that there have been no imports of the wax since last February when the inquiry began.

Walter A. Benz of Strohmeyer & Arpe Company, New York, and sole importers

—Continued on page 40

Interhandel Told More Data Is Needed

Interhandel, the Swiss holding company claiming ownership of the General Aniline & Film Corporation, New York, which was seized as enemy-owned property during the war, was put on notice last week that it will have to supply additional documents supporting its claims if it is not to lose out entirely in the contest for ownership of the giant chemical firm.

The notice was in the form of a refusal by the Supreme Court of the United States to consider an appeal from the United States Court of Appeals for the District of Columbia dismissing Interhandel's claim of ownership because it

—Continued on page 40

Aluminum Pact Sets Record

Reynolds Metals Company announced last week that it had signed a contract to supply 640,000,000 pounds of primary aluminum to Ford Motor Company over the next ten years. The contract was described as the largest industrial aluminum order in the history of the aluminum industry.

Rubber Authority Approves Plant Sale to Goodrich-Gulf

Sale of the government's 122,000-ton synthetic rubber plant at Institute, W. Va., to Goodrich-Gulf Chemicals, Inc., Cleveland, Ohio, was recommended by the Rubber Producing Facilities Disposal Commission in a report to congress last week.

The sale price of $11,000,000 was the highest of six bids offered during negotiations, the report said. An estimated additional $333,000 will be paid by the purchaser for spare parts and equipment. Included in the commission's report were the findings of the Attorney General on the sale.

Congress has thirty days to review the sale. If it is not disapproved, transfer of the plant to the purchaser will take place

—Continued on page 40

Columbia-Southern to Build Research Unit at Barberton

Columbia-Southern Chemical Corporation, Pittsburgh, Pa., a division of Pittsburgh Plate Glass Company, has announced plans for expansion of research and development work at the Barberton, Ohio, plant.

Plans call for an expenditure of over $1,000,000 in construction of a new building for research, as well as purchase of laboratory equipment and materials.

FDA Reaffirms Usefulness As Crux of Its Official Policy On New Additives in Food

Commissioner George P. Larrick of the Food and Drug Administration last week affirmed that agency's policy that all new additives proposed to be incorporated in foods should be of proven benefit to consumers before their use is permitted. Such a requirement, he said, should be in addition to the submission of evidence that the additive is safe for use at levels recommended. In explanation of his insistence that an additive be "useful" as well as safe, he reasoned as follows:—

"Although great strides have been made in improving testing technics and testing facilities over the years for determining the safety of a product, there still remains the question of transposing that work from animals to humans.

"We don't think that risks should be taken unless the additives are of some benefit to the consumers," he declared.

Not Discussed With Superiors

He said that he had not discussed this with his superiors, however.

The commissioner's position is one that was more or less adopted by the FDA several years ago at the outset of agitation for legislation to control the use of chemicals in foods.

It had come to be overlooked in more recent months, however, in the controversies between the various industry groups over questions of how best to provide for enforcement of an additives control law.

Of the eight or ten bills that have been introduced in congress this year on food additives, only the Delaney bill (H.R. 4475) gives the administrator of the proposed law (Secretary of the Department of Health, Education and Welfare) the right to pass judgment on an additive on the basis of its usefulness to the consuming public.

This has been one of the chief points of criticism from industry against the Delaney bill. Not only would such broad powers to the secretary be open for abuse, it was claimed, but also there is entirely too much room for argument over questions of the usefulness of a product.

The latest proposal from industry for controlling food additives was introduced

—Continued on page 44

F. O. Robitschek, former general merchandise manager of Colgate-Palmolive Company's soap sales division, has been named president and chief executive officer of Onyx Oil & Chemical Company, Jersey City, N. J.

Solvay Hydrogen Peroxide Installation Now on Stream

Solvay Process Division, Allied Chemical & Dye Corporation, New York, last week indicated that its new hydrogen peroxide installation and Syracuse, N. Y., under construction for the past eighteen months, has started up operations.

The new plant, which occupies an eight-acre plot, includes units for synthesis, distillation and purification, packing, loading and shipping operations. It also has a large outdoor storage tank farm as well as a plant office and a wash and locker building.

Solvay's hydrogen peroxide will be produced in both 35 percent and 50 percent grades and will be shipped in aluminum drums and tankcars.

Int'l Minerals to Expand Bonnie Phosphate Facility

International Minerals & Chemical Corporation, Chicago, has announced a $4,000,000 expansion program scheduled to double production capacity at the company's Bonnie plant at Bartow, Fla.

The first step in the program calls for construction of a sulfuric acid plant, as well as new equipment for the neutralization and recovery of plant effluents.

US Urged to Shift Small Business Tack

Taking sharp issue with some of the policies being followed by the government in procurement of supplies and enforcement of the antitrust laws, the small business committee of the senate last week laid down a four-point program for the "preservation of a wholesome small business community."

First, federal agencies charged with antitrust law enforcement must adopt a more critical approach to mergers which may tend to lessen competition.

Second, competition "must be hard but clean." The full force of the Robinson-Patman act and other antitrust statutes must be applied against all companies whose competitive practices are patently illegal.

Third, federal regulatory agencies should re-evaluate their policies to make certain that they "have not strayed from the stated wish of congress" that small business men should receive the same treatment as officials of large corporations.

Fourth, "all agencies of government should develop an especial awareness that any action taken in behalf of small business is by its nature an action taken to preserve the free enterprise system."

PVC Production Hike Set

General Tire & Rubber Company, Akron, Ohio, has announced plans to expand its Ashtabula, Ohio, polyvinyl chloride plant by 50 percent. Expansion was made necessary by heavy demand, according to the company.

Atlas Acquires Aquaness Corp.

Acquisition of Aquaness Corporation, Houston, Tex., by Atlas Powder Company, Wilmington, Del., has been approved by the directors of the two organizations, it was announced jointly last week by Ralph K. Gottshall, president of Atlas, and R. L. Wheelock, president of Aquaness.

Aquaness will function as a department of Atlas' chemicals division, Mr. Gottshall stated. Fritz E. Fuchs, who served as vice-president and general manager of Aquaness Corporation, will be manager of the new Aquaness department.

Aquaness was formed in 1947 to manufacture petroleum dehydrating compounds. In 1952, the company launched a diversification program which took it into the production of corrosion inhibitors, bactericides and other chemicals marketed to the oil industry under such trade names as "Aquaness," "Chronox" and "Calnox."

The Aquaness plant in Houston contains oxidation, oxyalkylation and esterification units, amine and amine salt reactors and blending equipment. It serves petroleum operations along the Gulf Coast and in west Texas, Kansas, Arkansas and Louisiana, as well as in foreign countries.

ODM Tightens Priorities For Copper, Steel, Aluminum

Office of Defense Mobilization last week tightened its regulations on the issuance of priorities for copper, steel and aluminum to tie such priorities closer to the defense program. The revised order emphasizes that allotments for the three metals will be limited under the Defense Materials System to the programs of the Department of Defense, Atomic Energy Commission and directly related activities. Programs that are related to direct military and atomic energy programs will be eligible for priorities assistance only with the specific approval of the ODM.

The question of providing formal priorities assistance for defense-related projects was raised recently in the light of current shortages of the three metals in the civilian economy.

No Change of Basic Policy

The revised order, ODM said, does not change basic policy in any way, but merely emphasizes restrictions in the use of formal priorities assistance under the current Defense Materials System.

The DMS is designed to assure a supply of steel, copper and aluminum needed for direct military and AEC projects. The remaining supply is distributed to the economy through regular market channels.

In revising the order, ODM noted that the broad use of priorities assistance in other than direct military and atomic energy programs could distort distribution patterns and result in inequitable treatment to other consumers.

Gerard C. Heldrich, sr., has been named technical service director of Grace Chemical Research & Development Company Division of W. R. Grace & Co., New York.

Radioisotope Rules Made Easier by AEC

The Atomic Energy Commission last week revised its regulation relating to the licensing of byproduct material, to remove some of the restrictions on the sale of radioisotopes abroad, and to simplify procedures governing domestic distribution.

The revised regulations sets up procedures by which scientists in other countries may more easily obtain US-produced radioisotopes.

In the United States the revised regulation will help American researchers and the growing body of radioisotope users by raising the limit on quantities of radio-

—Continued on page 56

Acetic Compounds Offered

Methyl acetoacetate and dehydroacetic acid, two products manufactured by British Industrial Solvents, Ltd., London, England, are currently being offered by Aceto Chemical Company, Flushing, N. Y.

Cellophane Price for Export Advanced, duPont Reports

E. I. duPont de Nemours & Co., Wilmington, Del., has announced an increase of approximately 5 percent in export cellophane prices, bringing them in line with domestic cellophane prices, which were raised 5 percent October 17.

DuPont pointed out that cellophane price increases in the last fifteen years have been far less than increases in raw materials costs and labor rates. Since 1939 the average selling price of duPont cellophane increased by 41 percent. During the same period, the prices duPont paid for cellophane raw materials rose by 123 percent, and labor rates in its cellophane manufacturing operations rose by 166 percent, the company said.

Escambia Bay to Build Polyvinyl Chloride Plant

Escambia Bay Chemical Corporation, Cambridge, Mass., has awarded a contract to Blaw-Knox Company for the construction of a polyvinyl chloride resin plant near Pensacola, Fla.

The new multi-million dollar facility will have a capacity of 30,000,000 pounds per year. It marks Escambia's initial entry into the resin business. Completion is expected late in 1956.

The Week's Price Changes

Molybdic Acid, Sodium Molybdate, Dry White Lead Advance.
Dried Blood, Ginger, Poppy Seed and Tankage Decline.

Prices Advanced

Acid, linseed, 0.3c. per lb. (p. 57)
  Molybdic, 3c. per lb. (p. 32)
6-tert-Butyl-m-cresol, 3c. per lb. (p. 42)
Caraway seed, Dutch, ½c. per lb. (p. 52)
Cassia, Batavia, "A", ¼c. per lb. (p. 52)
Cinnamon, Ceylon, No. 2, 1c. per lb. (p. 52)
Coriander seed, Yugoslavian, ¼c. per lb. (p. 52)
Cottonseed meal, $1 per ton (p. 57)
Egg albumin, flake, 10c. per lb. (p. 45)
  Yolk, 6c. per lb.
Lead, white, basic carbonate, 1c. per lb. (p. 54)
Mustard seed, Montana, oriental, 1½c. per lb. (p. 52)
Nitrogen solutions, $1 per ton (p. 36)
Oil, bay, 10c. per lb. (p. 52)
  Corn, crude, ¼c. per lb. (p. 57)
    refd., ¼c. per lb.
  Cottonseed, crude, ½c. per lb. (p. 57)
    refd., ¼c. per lb.
  Eucalyptus, 70-80%, 2c. per lb. (p. 52)
  Ginger, 85c. per lb. (p. 52)
  Linseed, 0.3c. per lb. (p. 57)
  Soybean, crude, ¼c. per lb. (p. 57)
    refd., ¼c. per lb.
  Tung, ¼c. per lb. (p. 57)
Phosphate rock, 6c. per unit (p. 36)
Sodium molybdate, 3c. per lb. (p. 32)

Prices Reduced

Blood, dried, Chicago, 25c. per unit-ton (p. 36)
Cassia, Corinje, "C", ½c. per lb. (p. 52)
Cocoa butter, ½c. per lb. (p. 57)
Copra, $1.50 per ton (p. 57)
Coriander seed, Moroccan, ¼c. per lb. (p. 52)
Ginger, Cochin, 2c. per lb. (p. 52)
Ginger, Jamaica, No. 2, 1c. per lb.
  No. 3, 1c. per lb.
  Nigerian, split, 2c. per lb.
Greases, ⅝c. per lb. (p. 57)
Lard, cash, ½c. per lb. (p. 57)
Lead, ½c. per lb. (p. 32)
Oil, coconut, crude, ¼c. per lb. (p. 57)
  Oleo, ½c. to ¾c. per lb. (p. 57)
Pepper, red, Japanese hontakas, 1c. per lb. (p. 52)
  Mombasa, 2c. per lb.
  Nigerian, 2c. per lb.
Pimento, Mexican, 2c. per lb. (p. 52)
Poppy seed, Dutch, 1c. per lb. (p. 52)
  Polish, 1c. per lb.
Potassium stannate, 0.8c. per lb. (p. 32)
Sage, Cretan, 2c. per lb. (p. 52)
  Dalmatian, ½c. per lb.
Sodium stannate, 0.8c. per lb. (p. 32)
Stannic chloride, 1c. per lb. (p. 32)
Stannous chloride, anhyd., 1.2c. per lb.
  hydrous, cryst., 1c. per lb.
  Sulfate, 1.2c. per lb.
Tallow, ⅜c. per lb. (p. 57)
Tankage, Chicago, 25c. per unit-ton (p. 36)
Tin, ½c. per lb.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

Jan. 13 1956	Jan. 6, 1956	Jan. 14, 1955
107.54	107.50	106.61

Oil, Paint and Drug Reporter, Vol. 169, No. 3, January 16, 1956. Published every Monday by Schnell Publishing Company, Inc., 30 Church Street, New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, $3 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879.
Copyright, 1956, by Schnell Publishing Company, Inc.

In This Issue

Association News

ADMA to Finance Plan..... 5
Antitrust Law Section Sets Meeting..... 7
Chemical Buyers Set Meeting..... 7
Coke Meeting Scheduled..... 7
DCAT to Hear Larrick..... 7
Essential Oils Future Sound..... 5
Fiske Will Head Drug Unit..... 7
Food, Drug Unit Marks Birthday..... 7
Marvel ACS Medalist..... 43
MCA Expands Activities..... 5
N.Y. AIChE Announces Dinner Plans.... 48
Pharmaceutical Advertisers List Officers. 55
SOCMA Sets Up Award..... 7

Government News

Aluminum, Copper Cut-Offs Set..... 7
Antibiotic Rules Amended..... 53
Drug Law Gala Year Under Way..... 4
FDA Reaffirms Its Additive Policy..... 3
Fluorspar Meeting Set..... 5
Mallinckrodt Gets Contract..... 5
ODM Tightens Priorities..... 4
Radioisotopes Restriction Eased..... 4
Rubber Authority Approves Plant Sale.. 3
Stream Pollution Costs Told..... 7
Thorium Price Revised by AEC..... 58
US Urged to Shift Policy..... 3

Industry News

Acetic Compounds Offered..... 4
Air Reduction to Expand..... 5
Aluminum Pact Sets Record..... 3
American-Marietta Buys Keystone..... 7
Ammonia Production Leaps..... 3
Armour Research to Build..... 7
Atlas Powder Acquires..... 3
Columbia-Southern to Build..... 3
Dupont Ponders Site..... 5
Escambia Bay Gives Contract..... 4
Fish Oil Alkyd Produced..... 5
Food Machinery Appoints..... 55
Grace, Hoechst to Build..... 5
'Halane' Price Reduced..... 4
Int'l Minerals to Expand..... 3
Lemke Broadens Line..... 49
Machinery & Equipment Moves..... 33
Magnus Enlarges Division..... 56
Michigan Chemical Shows Profit..... 5
Parke, Davis Plans Center..... 5
PVC Plant to Be Expanded..... 3
Solvay Peroxide Plant on Stream..... 3
Warner-Lambert to Absorb Emerson.... 5

International News

Cellophane Price Advanced..... 4
Fertilizer Plant Planned in Rhodesia.... 7
Interhandel Warned..... 3
Montan Wax Dumping Denied..... 3

Personnel News

Corn Prod. Names Schoeder, McFarlane.. 7
Esso Fills Post..... 4
Heldrich Named by Grace..... 4
Intemann Named by Carbide..... 3
Mares Firm Adds Groppe..... 33
Mulligan Is Hardy President..... 5
Organon Promotes Three..... 4
Robitschek Named Onyx Oil Head..... 3
Searle Appoints Dixon..... 53

Market Reports

Acids 32
Agricultural Chemicals..... 36
Aliphatic Organics 38
Aromatic Chemicals..... 52
Botanical Drugs, Gums..... 47
Coal Chemicals..... 42
Coating Materials..... 54
Drugs 47
Essential Oils..... 52
Fats and Greases..... 57
Fertilizer Materials..... 36
Fine Chemicals 47
Heavy Chemicals..... 32
Industrial Organic Chemicals..... 38
Lacquer Materials..... 54
Leather Chemicals..... 45
Naval Stores..... 54
Oil Cake and Meal..... 57
Oils 57
Paint Materials..... 54
Pesticides 36
Petrochemicals 38
Petroleum Derivatives..... 37
Protective Coatings Materials..... 54
Spices 47
Textile Chemicals 45
Waxes 57

General Features

Advertisers Index..... 63
Association Meeting Dates..... 7
Bids Wanted..... 49
Classified Advertisements..... 62
Consulting Chemists and Engineers..... 41
Coal Chemical Output..... 42
Crude Oil Stocks..... 37
Current Market Quotations..... 9
Editorials 30
Imports 50
Obituaries 49
OPD Price Index..... 4
Washington Talks It Over..... 30

Esso Fills Manufacturing Post

J. Prince Warner has been named general manager of manufacturing by Esso Standard Oil Company, New York. He succeeds Harold G. Mangelsdorf, who relinquished his duties as head of Esso's manufacturing department upon elevation to the company's executive committee. Mr. Warner for the last year has been general superintendent of Esso's Baltimore, Md., refinery, during which period the plant has completed a $20,000,000 building program.

He was general superintendent of the company's refinery at Baton Rouge, La., in 1952 and 1953, was then named assistant general manager of Esso's Louisiana division, and moved from that assignment to the post at Baltimore.

Mr. Mangelsdorf became a member of Esso's board of directors in June, 1954, and continued to serve as general manager of manufacturing, a post he had assumed seven months earlier. He is a former general manager of Esso's east coast manufacturing division.

Both Mr. Warner and Mr. Mangelsdorf began their Esso careers at the Baton Rouge refinery.

J. Prince Warner

'Halane' Price Reduced By Wyandotte Chemicals

Wyandotte Chemicals Corporation, Wyandotte, Mich., has announced price reductions of 10 cents per pound on both carload and less carload quantities of "Halane."

New prices range from 40 cents to 50 cents per pound for ten-mesh, and 42 cents to 54 cents per pound for thirty-mesh, as to quantity. The company said reductions were possible due to increased production economies and the desire to spur demand for "Halane" based dry bleaches in home and commercial laundry fields.

Organon Promotes Three At Top Management Level

Organon Inc., Orange, N. J., has nanounced the promotion of three of its executives to new posts. George B. Daetz, formerly controller, has been named assistant treasurer in addition to his duties as controller.

Remo Farias, formerly field sales manager, has just been appointed general sales manager. Joseph J. Ruvane, jr., who was director of sales coordination, has been appointed assistant to the executive vice-president.

Drug Law's Gala Year Is Under Way

Some 200 trade association executives, members of congress and officials of the government were guests at a luncheon last week sponsored by the Association of Food and Drug Officials to begin celebration of the golden anniversary year of the passage of the first federal food and drug law.

All industries associated in any way with the health of consumers are being asked to join in the commemoration which will continue throughout the year and through advertising placards, executive proclamations, luncheons and other gatherings will seek to emphasize the importance of the pure food and drug laws in protecting the consuming public.

A golden anniversary seal for display use by any interested groups has been

—Continued on page 43

H. Mulligan, vice-president and a director Charles Hardy, Inc., New York, has been ected president of the firm, succeeding John Dale who has become chairman of the ard.

DuPont Ponders ite for Nylon Plant

E. I. duPont de Nemours & Co., Wilington, Del., has started a study to dermine whether it should locate a rge nylon plant in Richmond, Va., it s revealed by the company last ek.

No actual construction has been aorized but plans and estimates will be ade to determine if a plant, capable of oducing over 35,000,000 pounds annualof heavy denier nylon for use in tire rd and other industrial products, should authorized.

If approved, the plant would raise subntially duPont's production of heavy nier nylon yarn. This type of heavy nylon, own as 840 denier, is claimed to be fifty times heavier than the fifteen denier ich is the popular yarn in women's siery.

DuPont at present manufactures both lophane and rayon at the Richmond ation.

The company said construction funds e not yet been authorized and it would several months before results of the dy were known.

allinckrodt Atom Project ven Contract Extension

A contract has been signed with Mallincdt Chemical Works, St. Louis, Mo., for ration of all of Atomic Energy Comsion's feed materials facilities in the Louis area.

The new contract reflects the increased pe of the work which Mallinckrodt perms for AEC, and modifies a prior con- to a cost-plus-a-fixed-fee type.

The contract with Mallickrodt previousprovided for production at a unit price, research, development and minor struction on a cost-reimbursement is.

Mallinckrodt presently operates a govment-owned plant which will be exded. In addition, the firm will operate AEC plant under construction at Wel- Spring Ordnance Works, near St. is.

ace, Farbwerke Hoechst am on Polyethylene Project

The boards of directors of W. R. Grace o., New York, and Farbwerke Hoechst, G. Frankfurt/Main - Hoechst have tly announced authorization to erect ant for the production of low-pressure ethylene in Brazil.

his is a further step in the plans of two companies to develop a full line ssential chemicals to supply the needs Brazilian industry.

he two companies are nearing produc- in a plant now under construction the production of DDT and other inicides, monochlorobenzene, caustic , solvents, detergents and other chemproducts.

uorspar Parley Wednesday

n advisory committee on fluorspar set recently by the Department of the rior will hold its organization meetJanuary 18. The committee will meet department officials to review proion and supply of fluorspar.

Essential Oils Future Sound; Group Makes Coutin President

A prediction that essential oil prices will hold at about present levels in 1956 and the election of a new president marked the twenty-eighth annual meeting of the Essential Oil Association last week in New York. The forecast was made by the group's retiring president, Louis Gampert, vice-president of Felton Chemical Company, Brooklyn, N. Y. New head of the organization is Pierre J. Coutin, president of Ph. Chaleyer, Inc., New York. Named to serve with Mr. Coutin were G. Keller as vice-president and F. F. Dittrich as secretary-treasurer. Mr. Keller is president of Schimmel & Co., New York, while Mr. Dittrich is comptroller of Ungerer & Co., New York.

Besides relatively stable prices, Mr. Gampert said that the volume of essential oil sales will be good this year, and that competition will be "exceptionally keen."

Export Outlook Favorable

"The export outlook is favorable, due to increasing prosperity abroad and further relinquishing of restrictions in foreign countries," he went on.

In a review of essential oil developments during 1955, Mr. Gampert termed it "a rather uneventful year." He pointed out that a good volume of business was done during the year, at satisfactory prices in the main.

"For the North American oils," he reported, "lemon has been quite steady. A mild dip, early in the year, was of short duration. Orange oil has shown a little firming at the source, a matter of a few pennies a pound, not yet reflected in resale prices.

"A plentiful supply and the usual keen competition among the producers will probably hold prices around present levels or a few cents higher. Cold pressed grapefruit oil recently dropped in price about 20 percent and is plentiful. Oil of tangarine has held quite steady.

"Peppermint oil," Mr. Gampert con-

—*Continued on page 56*

Pierre J. Coutin

Parke, Davis Planning Medical Research Center

Parke, Davis & Co., Detroit, Mich., has announced it is planning to build a new medical research center costing approximately $10,000,000.

The structure would supplement the firm's present research facilities, including the original laboratory that was the first in America to be erected by any commercial institution solely for scientific research.

Harry J. Loynd, president, said planning would begin at once and require about one year. Actual construction is expected to take two additional years.

ADMA to Finance Public Relations Plan

An industry-wide public relations program for the entire drug industry, which will highpoint dramatic achievements in the health field, has been approved and underwritten up to $100,000 annually by the American Drug Manufacturers Association.

George F. Smith, president of Johnson & Johnson and chairman of ADMA's public relations committee, announced the association's executive committee decision and stressed that other drug associations and other organizations in the health field will be invited to participate in the program.

In brief, Mr. Smith stated that policy would be established by a board or council representing all segments of the associations participating. A technical public

—*Continued on page 44*

MCA Expands Activities

In an expansion of its activities, the Manufacturing Chemists' Association has named three new committees, it was announced today by John E. Hull, MCA president.

The three new bodies are the atomic energy committee, the education advisory committee and the mechanical technical committee. This brings to twenty-four the number of technical and functional commitees of the association.

"MCA has been active in the three fields represented by these new committees," said Gen. Hull. "Their appointment by the board of directors reflects the increasing importance of work in these areas to the chemical industry."

In announcing the appointment of the atomic energy committee, Gen. Hull said: "The chemical industry's interest in the field of atomic energy is a substantial one. We have now reached a point in our work where a special committee on atomic energy is indicated. The immediate objective of the committee is to study the various areas of atomic energy development which directly affect the chemical industry."

Dr. Robert C. Swain of American Cyanamid Company, New York, will serve as acting chairman of the atomic energy committee.

The new education advisory committee will "assist American education to broaden the understanding of chemistry and other sciences in this technical age" and will work to increase the number of persons adequately trained for continuing the industry's program of research and development.

The new education committee will be under the chairmanship of Bromwell Ault, vice-president of Interchemical Corporation, New York. Glen Perry, assistant public relations director of E. I. duPont de Nemours & Co., Wilmington, Del., was named vice-chairman.

The committee includes three chemical company presidents and four vice-presidents. The MCA staff secretary to the committee is Dr. William E. Chacé, director of education.

MCA's new mechanical technical committee will conduct studies of mechanical technical projects on problems pertinent to the chemical industry and maintain liaison with various standards groups.

Its first activity will be in connection with a pump standardization project sponsored jointly by Hydraulic Institute and MCA within the framework of the American Standards Association.

Heading up MCA's mechanical technical committee will be D. C. Brand of Monsanto Chemical Company, St. Louis, Mo.

Air Reduction Accelerates Plan For Expansion

A $16,000,000 expansion program for 1956 to meet the stepped-up demand for its industrial gases is under way by Air Reduction Sales Company, New York, a division of Air Reduction Company, Inc., it was disclosed last week by J. H. Humberstone, division president.

Three new producing plants are slated for completion this year—at Chicago, Alton, Ill., and Calvert City, Ky. Additional producing facilities will also be installed at Butler, Pa., and output will be increased at Riverton, N. J.

Airco's Butler and Riverton plants are the company's largest facilities for producing liquid and gaseous oxygen, nitrogen, argon and such rare gases as neon, krypton and xenon.

Expansion in Southwest

A part of the appropriation will go towards expansion of gas-producing facilities in the southwest. Included as well in this program are additional distribution facilities throughout the country.

The Chicago installation will produce liquid oxygen, nitrogen and argon, and will be completed during the last quarter of this year. The Alton facility is slated for completion by the middle of the year.

The new plant at Calvert City, which is also scheduled for completion by the middle of the year, will be the third Airco installation to be built at that location.

The first unit at Calvert City was the National Carbide division's calcium carbide and acetylene generating plant which supplies pipeline acetylene to three customer plants. The Air Reduction Chemical Company division is completing a vinyl acetate monomer facility in the same area.

Additional facilities at Butler, scheduled for completion by the last quarter, will virtually double producing capacity there.

Michigan Chemical Said To Show Profit for 1955

Michigan Chemical Corporation, St. Louis, Mich., moved from a loss of $228,894 in 1954 to earnings of between 50 cents to 60 cents a share last year, its president, Theodore Marvin, revealed last week.

At a press conference marking the start of trading on the American Stock Exchange of 562,077 shares of Michigan Chemical's common, Mr. Marvin said that the company's improved position will be detailed in its annual financial statement, to be issued next month.

He indicated that Michigan Chemical's net sales last year will figure to about 10 percent more than the $5,829,342 reported for 1954.

Commenting on the company's new activities, Mr. Marvin reported that Michigan Chemical is developing new uses for and processing rare earths.

He asserted that the refining of rare earths requires the same degree of exactitude and attitude as does the manufacture of pharmaceutical chemicals. A rare earths refiner, he added, often operates under conditions which yield him only one part in one mil, while the drug maker applies the same yardstick to his contamination problem.

Warner-Lambert to Absorb Emerson Under Pact Terms

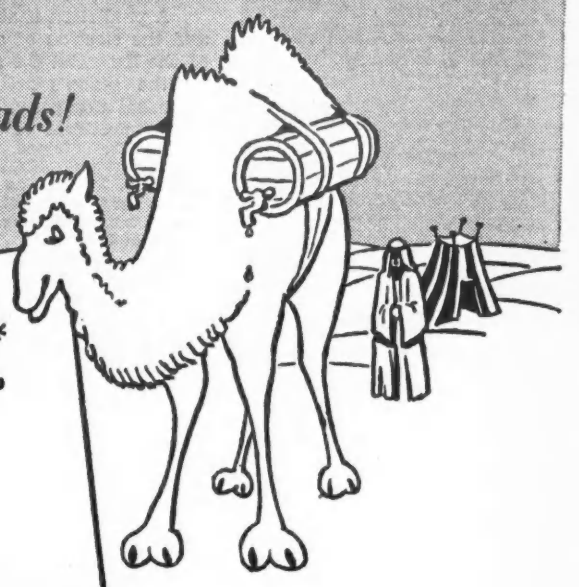
Warner-Lambert Pharmaceutical Company will absorb Emerson Drug Company under terms of a merger agreement in principle that has been announced. The basis of the merger is the exchange of two shares of Emerson for one share of Warner stock.

Subject to approval by stockholders in March, the merger will take place after retirement of 29 percent of Emerson's voting stock now owned by Warner, which will also retire 80,000 shares of its own stock which was purchased below the market price at the time of acquisition. A recent stock dividend of 5 percent by Emerson will also be considered.

Fish Oil Alkyd Produced

Menhaden Fish Products Company, Baltimore, Md., has begun manufacture of a long fish oil base isophthalic alkyd resin, which the company says is suitable for light tints in gloss, semi-gloss and primers for interior finishes, as well as exterior trim and trellis whites and colors.

Paying Freight on Water is for the Nomads!



You Can Save Over $1.00 per 100 lb.*

by using

Westvaco®

FREE-FLOWING • QUICK DISSOLVING

TRISODIUM PHOSPHATE

ANHYDROUS

(instead of T. S. P. Crystals)

If you live in a desert, it may make sense to pay for water. But in the chemical business, needless delivery charges on water is money down the drain.

On T.S.P. it can be important money, as these figures show: T.S.P. Crystals contain 56.9% water—only 43.1% anhydrous T.S.P. Thus for every 100 pounds of anhydrous Na_3PO_4 content, you pay delivery charges on 130 pounds of water. When you buy WESTVACO T.S.P. Anhydrous you pay only for active ingredient. Since the l.c.l. rate for a typical 250-mile haul is 97¢ per 100 lb.; it's easy to see how fast your savings pile up when you *don't* pay for hauling water.

You save on first cost, too. Currently, the anhydrous T.S.P. content of T.S.P. Crystals sells for $9.74; WESTVACO T.S.P. Anhydrous for $8.45—both prices f.o.b. on an anhydrous basis. This saving is *in addition to what you save on delivery costs.*

If you must use T.S.P. Crystals, we hope you are located near a producing point. If you *can* use WESTVACO T.S.P. Anhydrous, we can save you real money. A phone call or letter will bring an exact quotation. Why not find out right now?

*L.C.L. delivery 250 miles from producing point. Get an exact quote on your savings.

Westvaco Mineral Products Division

FOOD MACHINERY AND CHEMICAL CORPORATION

General Offices • 161 East 42nd Street, New York 17

CHICAGO, ILLINOIS • CINCINNATI, OHIO • HOUSTON, TEXAS • NEWARK, CALIFORNIA

fmc FOOD MACHINERY AND CHEMICAL — Westvaco® CHEMICALS TRADE MARK

Antitrust Laws Topic of Bar Unit

"Antitrust Law Progress" and "Organized Labor and the Antitrust Laws" will be the themes at the two forthcoming sessions of the New York State Bar Association's Antitrust Law section meeting.

The event will be held January 26 in the Meeting Hall of the Association of the Bar of the City of New York. It will be the eighth annual meeting of the section.

Following an introductory statement by Charles Wesley Dunn, the following will speak at the morning session:—

William P. Rogers, deputy Attorney General of the United States.

John W. Gwynne, chairman of the Federal Trade Commission.

Stanley N. Barnes, assistant Attorney General of the United States and head of the antitrust division of the Department of Justice.

Jacob K. Javits, Attorney General of the State of New York.

Eugene V. Rostow, dean of Yale Law

—Continued on page 40

Stream Pollution Abatement Cost $61.8 Million in '55

Contracts for 185 stream pollution abatement projects costing $61.8 million were awarded by municipalities during the third quarter of 1955, the Public Health Service reported last week.

Contracts reported include ninety-eight for new sewage treatment plants and eighty-seven for replacement or improvement of existing treatment plants.

Of the ninety-eight new plants, all but seven will serve communities of less than 25,000 population, and seventy-nine are for towns of less than 5,000. New plant construction for the larger population centers, however, accounts for 41.4 percent of the total dollar cost.

The seven larger contracts were awarded by:—Paducah, Ky.; Las Vegas, Nev.; Middlesex County Sewerage Authority, N. J.; Johnson City, Tenn.; Kingsport, Tenn.; Fort Lewis, Wash., and King County Sanitary District, Washington.

Armour Research Launches $5 Million Building Program

Armour Research Foundation of Illinois Institute of Technology has announced a $5,000,000 building program calling for construction of three buildings and additions to two buildings over the next ten years, in order to meet increased needs for industrial research and development services.

E. F. Schroeder (left) has been elected vice-president in charge of manufacturing for Corn Products Refining Company, New York, while A. N. McFarlane (right) has become vice-president and general sales manager of the firm. Mr. Schroeder, with Corn Products since 1928, was named manager of the New York manufacturing department in 1953 and was made assistant to the manufacturing vice-president two years later. Mr. McFarlane joined the company in 1934, became assistant to the general sales manager in 1947 and has been a vice-president of Corn Products Sales Company since 1953.

Chemical Industry P.A.'s Set Regional Meeting Plans

The Chemical and Allied Products Buyers' Group of the National Association of Purchasing Agents has announced the programs for the midwest meeting, to be held January 24 in the Palmer House, Chicago, and the eastern meeting to be held January 31 in the Commodore hotel. The luncheon speaker in Chicago will be Dr. Ernest E. Volwiler president of Abbott Laboratories, while the speaker at the luncheon in New York will be Kenneth H. Hannan, vice-president of Union Carbide & Carbon Corporation. Dr. Volwiler will speak on "Horizons for the Chemical Buyer" and Mr. Hannan will speak on "The Chemical Industries Future."

Except for minor changes, the balance of the programs will be identical. Titles of addresses and panel topics follow:—

"Long Term Cost Trends in the Chemical Industry," Roger Williams, jr., President, Roger Williams Technical & Economic Services, Inc.

"Escalator Factors in Contracts," Ira T. Ellis, economist, E. I. duPont de Nemours & Co.

"Value Analysis in Chemical Buying,"

—Continued on page 56

SOCMA Sets Up Organics Work Prize

Synthetic Organic Chemical Manufacturers Association through its president, R. W. Hooker, last week announced the creation of an annual award for creative work in synthetic organic chemistry. The award will be administered by the American Chemical Society.

The first of its type, this award has been created, SOCMA said, "to recognize and encourage creative work in synthetic organic chemistry." It consists of $1,000, a certificate and a gold medal. Suitable

—Continued on page 35

Fertilizer Plant Planned In Rhodesia, Nyasaland

In an attempt to do away with the need for importing fertilizers into the Federation of Rhodesia and Nyasaland, a $9,000,000 expansion plan has been announced for a fertilizer plant near Salisbury, Southern Rhodesia, the Foreign Agricultural Service reported last week. The plant is to be operated by African Explosives & Chemical Industries (Rhodesia) Ltd.

Both imported and local raw materials will be used to manufacture superphosphates in the expanded plant, with production expected to be 150,000 tons annually. Existing facilities will continue to produce compound fertilizers.

It is claimed that by 1958 only nitrogen fertilizer will have to be imported and the possibility of producing nitrogeneous fertilizers as part of the vast Kariba Power Project is now being investigated.

The high cost of imported fertilizers has been one of the important factors limiting expansion of crop yields in the federation and has been an important cost factor in recent increased production of hybrid corn in Southern Rhodesia.

DCAT Members to Hear Address by Geo. Larrick

Commissioner George P. Larrick of the Food and Drug Administration will address the mid-winter luncheon meeting of the Drug, Chemical and Allied Trades section of the New York Board of Trade on January 31 at 12:30 p.m. at the Commodore hotel.

Commissioner Larrick will review the major developments of the law during the past fifty years and its future prospects in his talk entitled "Fiftieth Anniversary of the Food and Drug Laws."

Coke Meeting Scheduled

The American Coke and Coal Chemicals Institute will hold a regional meeting in the Drake hotel, Chicago, on February 2.

Food and Drug Group Will Mark Law's Birthday

The fiftieth anniversary of the basic pure food, drug and cosmetic law will be observed in speeches by officials in the public health field at the eleventh annual meeting of the New York State Bar Association's section on Food, Drug and Cosmetic Law.

The meeting will be held in the Meeting Hall of the Association of the Bar of the City of New York on January 25. Following introductory remarks by Charles Wesley Dunn, chairman, and Fred Bartenstein, secretary, the following will speak at the morning session:

Bradshaw Mintener, assistant Secretary of Health, Education and Welfare.

John L. Harvey, deputy Commissioner of Food and Drugs of HEW.

William W. Goodrich, assistant general counsel for HEW.

Dr. Leona Baumgartner, Commissioner of Health, New York City.

Jerome Trichter, assistant Commissioner of Health for environmental sanitation, New York City.

Dr. William Horwitz, secretary-treasurer of the Association of Official Agricultural Chemists and Chief of the Cereal and Animal Products Branch of the Division of HEW.

Carl R. Miller, chairman of the anniversary fund committee and member of LeForgee, Samuels & Miller, general counsel for A. E. Staley Manufacturing Company.

Scheduled to speak at the afternoon session are:

Dr. Robert T. Stormont, director of the

—Continued on page 35

Fiske Will Head Drug Law Fete Unit

Eugene H. Holeman, president of the Association of Food and Drug Officials of the United States, has announced that A. H. Fiske, president of Eli Lily & Co., Indianapolis, Ind., has accepted the chairmanship of the drug, chemical and cosmetic industries committee for the fiftieth anniversary of the federal pure food law which will be observed nationally this year.

This committee, Mr. Fiske stated, represents the three industries at large and will cooperate with the AFDOUS in developing commemorative activities for the anniversary year of the food and drugs act of 1906.

Members of the committee, as appointed by Mr. Holeman, who is superintendent of the division of food and drugs of

—Continued on page 34

Aluminum, Copper Cut-Offs Are Established by the BFC

Applications to export certain aluminum and copper materials must be submitted before March 16 to be considered for first quarter licensing, the Bureau of Foreign Commerce announced last week.

The cut-off date applies to new and old aluminum scrap, aluminum remelt ingots, new and old copper scrap, new and old copper base alloy scrap containing 40 percent or more copper and copper-base alloy ingots and other crude forms.

American - Marietta Co. Purchases Keystone Lime

American-Marietta Company, Chicago, has purchased the Keystone Lime Works, Keystone, Ala. Operations of Keystone will be consolidated with those of the Southern Cement Company Division of American-Marietta, whose headquarters are in Birmingham, Ala.

Keystone Lime Works is one of the oldest chemical and building lime producers in the southeast. Its plant has been in continuous operation for sixty years in the Shelby County, Ala., limestone district.

The facilities will provide Southern Cement with additional limestone reserves, greater manufacturing capacity and a wider range of lime products, it was explained.

Association Meetings

Oil Trades Association of New York, quarterly meeting, Waldorf-Astoria hotel, New York, January 18.

Salesmen's Association of the American Chemical Industry, annual installation luncheon, Biltmore hotel, New York, January 18.

American Coke and Coal Chemicals Institute, regional meeting, Drake hotel, Chicago, February 2.

American Drug Manufacturers Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., April 29-May 3.

American Institute of Chemical Engineers, Statler hotel, Los Angeles, February 26-29.

American Institute of Chemists, annual meeting, Statler hotel, Boston, Mass., May 9-11.

American Pharmaceutical Manufacturers Association; central section meeting, Edgewater Beach hotel, Chicago, February 6-8; western section meeting, Ambassador hotel, Los Angeles, February 13-14; annual meeting, Boca Raton Club, Boca Raton, Fla., April 9-11.

American Society for Testing Materials, committee week, Statler hotel, Buffalo, N. Y., February 27-March 2; annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., June 16-21.

Antitrust Law section, New York State Bar Association, annual meeting, Meeting Hall of the Association of the Bar of the City of New York, January 26.

Association of American Soap and Glycerine Producers, annual convention, Waldorf-Astoria hotel, New York, January 25-27.

Association of Consulting Chemists and Chemical Engineers, banquet and symposium, Belmont Plaza hotel, New York, April 25.

Chemical and Allied Products Buyers Group of National Association of Purchasing Agents, midwest meeting, Palmer House, Chicago, January 24; eastern meeting, Commodore hotel, New York, January 31.

Chemical Market Research Association, aromatic chemicals meeting, Webster Hall, Pittsburgh, Pa., January 31-February 1.

Chemical Progress Week, April 23-28.

Chlorine Institute, annual meeting, Commodore hotel, New York, January 25.

Drug, Chemical and Allied Trades section of the New York Board of Trade, mid-winter luncheon meeting Commodore hotel, New York, January 31; annual dinner, Waldorf-Astoria hotel, New York, March 1.

Food, Drug and Cosmetic Law section, New York State Bar Association, annual meeting, Meeting Hall of the Association of the Bar of the City of New York, January 25.

Parenteral Drug Association, dinner and round-table discussion, New Yorker hotel, January 27.

Pest Control Operators, southern conference, Louisiana State University, Baton Rouge, La., January 31-February 2; Purdue conference, Purdue University, West Lafayette, Ind., January 30-February 3; eastern conference, University of Massachusetts, Amherst, Mass., February 2-4.

Pharmaceutical Council of Greater New York, drug, cosmetic and sundry show, Statler hotel, New York, September 23-25.

Proprietary Association, annual meeting, Hollywood Beach hotel, Hollywood, Fla., May 7-9.

Society of Chemical Industry, chemical industry medal presentation, Waldorf-Astoria hotel, New York, April 27.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel New York, May 15-17.

Can these Baker LEAD SALTS of controlled purity help you in your processing?

When you need Lead Salts in tonnage lots, call in the Baker Representative. Baker's enlarged facilities permit us to serve a few more volume buyers.

Check the Lead Salts specifications below. You'll find their physical form convenient to use – their chemical purity closely controlled – their availability scheduled to your production needs.

LEAD NITRATE, Technical Crystal

$Pb(NO_3)_2$ — F. W. 331.226

Assay ($Pb(NO_3)_2$)	99.0 %
Insoluble Matter	0.010%
pH of 20% Solution at 25°C.	3.0-4.0
Substances not precipitated by H_2S (as SO_4)	0.30 %

Color—White

LEAD ACETATE, Technical Crystal Small Crystal Granular 4-20 Mesh Powder

$Pb(C_2H_3O_2)_2.3H_2O$ — F. W. 379.35

Assay ($Pb(C_2H_3O_2)_2.3H_2O$)	99.0-105.0%
Insoluble Matter	0.020 %
pH of 5% Solution at 25°C.	5.5-6.5
Substances not precipitated by H_2S (as SO_4)	0.20 %

Odor: Faint Acetic Acid
Colorless and free flowing

Crystal—Size:
3" and finer

Granular 4-20 Mesh:
Max. 15% On U.S. No. 4 Sieve
Max. 5% Thru U.S. No. 20 Sieve
Bulk (untapped): 50 Gm ⇔ 35-42 ml.

Small Crystal—Mesh:
Max. 25% On U.S. No. 4 Sieve
Min. 75% On U.S. No. 40 Sieve
Max. 20% Thru U.S. No. 140 Sieve

Powder—Mesh:
Max. 1% On U.S. No. 20 Sieve
Min. 85% Thru U.S. No. 40 Sieve
Bulk (untapped): 50 Gm ⇔ 39-56 ml.

LEAD DIOXIDE, Technical Powder

PbO_2 — F. W. 239.21

Assay (PbO_2)	90.0 %
Insoluble in HNO_3	0.20%
Mesh	Max. 1% on U.S. No. 325 Sieve

Color—Light Chocolate Shade

FOR ALL THESE IMPORTANT FEATURES YOU PAY NO PRICE PREMIUM

Tell us your requirements, and let us submit samples to specification. Address inquiry to J. T. Baker Chemical Co., *Executive Offices and Plant,* Phillipsburg, New Jersey.

PURITY BY THE TON

Baker CHEMICAL

Baker Chemicals

REAGENT • FINE • INDUSTRIAL

CHEMICALS AND RELATED MATERIALS

All matters under this heading fully protected by copyright.

Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, January 13 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Acacia (see Gum arabic).
Acenaphthene, below 92.5 C., m.p., dms. works lb. .40 - —
Acenaphthene, above 92.5 C., m.p., bbls., dms., works lb. .41 - .50
Acetaldehyde 99% dms., c.l., dlvd. lb. .12 - —
l.c.l., dlvd lb. .13½ -
tanks, dlvd lb. .10 - —
Acetaldol (see Aldol).
Acetanilide, tech., bbls. c.l., dlvd lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .30½ -
USP, bbls., 2,000 lb. lots lb. .80 - .83
smaller lots lb. .81 -
Acetic anhydride, dms. c.l., dlvd E. lb. .15½ -
l.c.l., dlvd E lb. .17 - —
tanks, dlvd. E lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .81 - —
Acetoacet-o-chloroanilide, fib., dms., c.l., dlvd lb. 1.35 - —
l.c.l., dlvd lb. 1.36 - —
Acetoacet-o-toluidide, fib., dms., c.l., dlvd lb. .82 - —
l.c.l., dlvd lb. .83 - —
Acetone, CP., dms., c.l., dlvd. lb. .09 - —
l.c.l., dlvd. lb. .10 - —
tanks, dlvd. lb. .07 - —
Acetyl (see M)
Acetonitrile, dms. c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.17 - 1.19
Acetophenone ens., dms lb. 1.21 - 1.85
Acetyl, dms., l.c.l., works lb. .75 - —
Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85
Acetyltributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .36 - —
l.c.l., frt. alld. E. of Denver lb. .35 - —
tanks, frt. alld. E. of Denver, lb. .33 - —
Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .39 - —
l.c.l., frt. alld E. of Denver, lb. .40 - —
tanks, frt. alld. E. of Denver, lb. .37 - —
Acetyltri-2-ethylhexyl citrate, non-ret. dms., frt. alld lb. .60 - —
Acid, abietic, comi., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490 -
Acid, acetic, glac., 99.5%, cryst., bgs., works lb. .06½ -
l.c.l., works lb. .07 - .07½
Acetic, comi., or redist., 28%, bbls 100 lbs. 4.80 - —
56% bbls 100 lbs 6.25 - —
70% bbls 100 lbs. 9.95 - —
80% bbls 100 lbs. 10.45 - —
Acetic, glacial, syn., CP. dms., dlvd. 100 lbs. 15.00 -16.00
Acetic, tech. dms. c.l., dlvd 100 lbs. 12.00 - —
l.c.l., dlvd 100 lbs. 13.00 - —
tanks, dlvd 100 lbs. 10.00 - —
Acetic, USP cbys., inclusive, dlvd., 100 lbs. 24.00 -25.00
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, makers, primary distrib., bbls., 1,000-lb lots, point of shipt lb. .61 - —
Acetylsalicylic, standard, fine, cryst., gran., (30-40 mesh) powd., (60 mesh) bbls., 1,000-lb. lots. lb. .56 - .58
Freight equald, shipt. identical quantity over standard routes from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Adipic, bgs., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37½ - —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
Aminobenzoic, tech., dms., works lb. 1.74 - 1.77
Aminobenzoic, USP dms., 1,000-lb. lots or more, works lb 2.50 —
smaller lots, works lb. 2.53 - 2.60
Aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb 4.05 - 4.50
Anilic, dms., dlvd lb. 1.10 - —
Anisenous, tech. (see Arsenic, white).
Anisic, USP (see Arsenic trioxide).
Ascorbic USP, dms., 25-100 kilo lots kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
lots 1-kilo lots kilo. 17.00 - —
500-gram lots kilo. 17.50 - —
Battery, cbys., c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45
Benzaldehyde, tech., bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls., dms., 100-lb. lots or more lb. .54 - —
Benzhydroxynaphthoic (see Acid, b-Oxynaphthoic).
Benzoxynaphthoic (see Acid b-Oxynaphthoic).
Boric, tech., 99.9%, cryst., bgs., c.l., works ton. 126.75 - —
ton lots, ex whse, N. Y. or Chi ton. 176.50 - —
smaller lots, same basis. ton. 181.50 - —
dms., c.l., works ton. 151.25 -172.25
ton lots, ex whse, N. Y. or Chi ton. 201.00 -222.00
smaller lots, same basis. ton. 206.00 -227.00
gran., bgs., c.l., works ton. 101.75 - —
ton lots, ex whse, N. Y. or Chi ton. 151.50 - —
smaller lots, same basis. ton. 156.50 - —
dms., c.l., works ton. 126.25 -147.25
ton lots, ex whse, N. Y. or Chi ton. 176.00 -197.00
smaller lots, same basis. ton. 181.00 -202.00
bulk, c.l., works ton. 93.75 - —
ton. 161.50 - —
Boric, tech., 99.9%, powd., bgs., c.l., works ton. 106.75 - —
ton lots, ex whse, N. Y. or Chi ton. 156.50 - —
smaller lots, same basis ton. 161.50 - —
dms., c.l., works ton. 131.25 -152.25
ton lots, ex whse., N. Y. or Chi ton. 181.00 -202.00
smaller lots, same basis. ton. 186.00 -207.00
Boric acid in kegs $45.50 per ton higher than in paper bgs USP boric Acid $25 per ton higher.
Broenners, bbls lb. 1.76 - —
Butyric, 99%, dms., c.l., works lb. .34 - —
l.c.l., works lb. .34½ -
tanks, works lb. .32½ -
Capric, dms lb. .24 - .26
Caprylic, dms. lb. .24 - .26
Cassella, dms., frt. alld., 100% basis lo. 1.44 1.75
Castor oil, split dms lb. .35½ - .36
Chicago bbls frt alld lb. 3.21 —
Chloroacetic, mono- purif., flake, 99% dms lb. .23½ - .25½
tech. flake, 96-97% dms., frt. equald lb. .20 - .21
o-Chlorobenzoic, fib. dms., t.l., works lb. 1.10 - —
smaller lots, works lb. 1.25 - —
p-chlorobenzoic, fib. dms., works lb. 1.39 - 1.60
Chlorosulfonic, dms., c.l., frt. equald lb. .0463 - —
l.c.l., frt. equald lb. .0515 - —
tanks, frt. equald lb. .0415 - —
Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.
Cholic, 100-lb. lots, fib. dms lb. 6.00 - 6.25
Chromic, 99¾%, dms., c.l., works, frt. equald lb. .28½ - —
l.c.l., dlvd., N. Y. metropolitan area lb. .29 - .30
NF (see Chromium trioxide).
Cinnamic, refd., bots lb. 2.50 - 3.50
Citric, USP anhyd., gran., fine gran., bgs., dms., c.l. lb. .29½ - .30
10,000-lb lots, 1 shipt. lb. .30 - .30½
smaller lots lb. .30½ - .31
hydrous, gran., fine gran., bgs., dms., c.l lb. .27½ - .28
10,000-lb lots, 1 shipt. lb. .28 - .28½
smaller lots lb. .29 - .29½
Powdered citric acid ½c. higher.
Cleves, mixed, bbls lb. .79 —
Coconut oil, dist., dms lb. .24¾ - .26¾
tanks lb. .22¾ -
dbl dist., dms lb. .25¾ - .27¾
tanks lb. .23¾ - —
Corn oil, dist., dms lb. .16¼ - .18¼
tanks lb. .14¼ - —
Cottonseed oil, dist., dms lb. .15¾ - .17¾
tanks lb. .13¾ - —
2,3-Cresotic, dms. ton lots, works. lb. .70 - —
less than ton lots, works lb. .72 - —
Cresylic, coaltar dom., 50% 207 C or above, resin and tricresyl phosphate grade, tanks, frt. equald gal. 1.10 - —
50% 210° C. or above, total range over 9° C., non-resin grade, dms., c.l., same basis gal. 1.13 - —
l.c.l., same basis gal. 1.19 - —
tanks, same basis gal. 1.00 - —
50% 204° to 207° C., tricresyl phosphate and resin grade, tanks, same basis gal. 1.20 - —
Imp. 75% at 215 C., or over, dms., ex whse gal. .85 1.00
petroleum, dom., 195° to 214°C., non-ret 65 dms. to c.l., works, San Francisco and Los Angeles gal. .75 - —
l.c.l., same basis gal. .77 - .79
tanks, works, frt. alld. E. gal. .71 - —
200° C. to 222° C., tanks, Wilmington, Cal gal. .62 - .69
211° C to 237° C., non-ret, dms., c.l., San Francisco and Los Angeles gal. .67 - —
l.c.l., same basis gal. .69 - .71
tanks, same basis gal. .54 - —
220° C. to 242° C., tanks, Wilmington, Cal gal. .58 - .63
245° C. to 290° C., tanks, Wilmington, Cal gal. .50 —
Crotonic fib dms., 200 lbs. or more, contained, works lb. .50 - —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Dehydrocholic, injection, fib. dms., 100-lb lots lb. 12.25 - —
oral fib dms. 100-lb lots lb. 9.25 - —
D, desoxycholic, fib. dms., 100-lb. lots lb. 14.00 - —
Dichlorophenoxyacetic (see 2,4-Di).
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .14 - —
2-ethyl hexoic, dms., c.l., dlvd lb. .36½ - —
l.c.l., dlvd. lb. .37½ - —
tanks, dlvd lb. .34½ - —
F, crude, paste, bbls. works lb. 2.10 - —
Folic, bots fib. cns kilo-lots or more gram 1.40 - —
Formic, 85%, cbys., c.l., works lb. .1570 -
l.c.l., works lb. .1620 - .1720
90%, cbys., c.l., works lb. .1623 - —
l.c.l. works lb. .1675 - .1775
Fumaric, tech., bgs., dms., c.l., frt. alld. E lb. .25½ - —
l.c.l., same basis lb. .26½ - —
Gallic, NF VII bbls. 1,000-lb. lots. lb. 1.80 —
smaller lots lb. 1.82 - 2.00
tech., bbls., 1,000-lb. lots lb. 1.53 —
smaller lots lb. 1.82 - 2.00
Gamma, dry, grd., bbls. frt. alld. lb. 1.50 - —
paste, bbls frt alld lb 1.45 - —
Gentisic, 100-lb fib dms lb 8.50 - —
Gluconic, tech., 50% bots lb. .25 - .35
cbys lb. .19 - —
dms. lb. .15½ - —
l-Glutamic, 99½% fib. dms., 100 lb lots works lb 2.45 - 2.53
25 lb lots, works lb 2.54 - 2.60
Glycerophosphoric, 35%, dms., works lb. 2.25 - 2.35
Glycolic (see Acid hydroxyacetic).
H, dry, bbls., c.l., works, 100% basis lb. 1.00 - —
l.c.l., same basis lb. 1.02 - —
Hydriodic, 1.50 s.g., cbys lb. 2.94 - —
1.70 s.g., cbys lb. 3.23 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .37 - .43
Hydrochloric, anhyd (see Hydrogen chloride).
18° cbys., c.l., works 100 lbs. 2.50 - —
l.c.l., dlvd. Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt equald ton. 28.00 - —
20° cbys., c.l., works 100 lbs. 2.75 - —
l.c.l. dlvd Metropolitan area 100 lbs. 3.15 - —
tanks, works, frt. equald ton. 30.00 - —
22° cbys., c.l., works 100 lbs. 3.25 - —
l.c.l. dlvd Metropolitan area 100 lbs. 3.65 - —
tanks, works, frt equald ton. 35.00 - —
CP, USP, consumers, cbys., extra c.l. works lb. .11¾ - —
l.c.l., same basis lb. .13¼ - .13¾
5-pint bots., extra, cs., c.l., same basis lb. .16¼ - —
l.c.l., same basis lb. .18¼ - .19¼
Acid, hydrochloric, CP, USP, prices to dealers 1½c. per lb. less.
Hydrocyanic, cyls. frt alld lb. .75 - .95
dilute NF, 2%, 5-lb. bots lb. .40 - —
Hydrofluoric, anhyd (see Hydrogen fluoride).
aqueous, tanks, works lb. .21 - —
70%, steel, dms., works lb. .18½ - .22½
Hydrodue silicic, dms., works, 30% basis lb. .06 - —
Hydroxyacetic, tech., 70%, non-ret bbls., Phila., 100% basis lb. .136 - —
tanks Belle, W Va., 100% basis lb. .095 - —
Hypophosphorus, purif., 30%, cbys lb. 1.30 - 1.33
USP, cbys. lb. .88 - —
Isonicotinic 100 lb fib dms. works lb. 5.00 - —
Hydrazide (see Isoniazid).
Itaconic, fib dms., c.l., works lb. .59 - —
l.c.l., works lb. .60 - —
J, paste bbls., works, 100% basis. lb. 2.45 - —
powd., bbls., same basis lb. 2.50 - 2.85
Koch, bbls., frt. alld., 100% basis. lb. 1.00 - —
L, bbls., works lb. 1.25 —

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	NNR	New and Nonofficial Remedies
amorph.	amorphous	djns.	demijohns	No.	number
AMP	American melting point	dlvd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	o-	ortho
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
approx.	approximately	E.	east	oz.	ounce
artif.	artificial	e.p.	end point	p-	para
ASTM	American Society for Testing Materials	equald.	equalized	Pac.	Pacific
Atl.	Atlantic	exp.	expressed	pf.	proof
Be.	Baume	F.	fahrenheit	phos.	phosphate
bbls.	barrels	ferment.	fermentation	photo.	photographic
bgs.	bags	f.f.a.	free fatty acid	pkgs.	packages
bls.	bales	f.f.c.	free from chlorine	powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	f.p.a.	free of prussic acid	pt.	point
b.r.	boiling range	frt.	freight	pulv.	pulverized
bxs.	boxes	f.&a.	iron and aluminum	purif.	purified
C.	centigrade	gal.	gallon	redist.	redistilled
cbys.	carboys	gran.	granular	refd.	refined
CD	completely denatured	grd.	ground	refy.	refinery
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	reg.	regular
cks.	casks	imp.	imported	resub.	resublimed
c.l.	carlots	incl.	included	ret.	returnable
cns.	cans	indust.	industrial	SD	specially denatured
coml.	commercial	kgs.	kegs	s.d.	single distilled
conc.	concentrated	l-	laevo	S. E.	southeast
CP	chemically pure	lacq.	lacquer	sec.	secondary
cps.	centipoises	lb.	pound	secs.	seconds
cryst.	crystal	l.c.l.	less than carlots	s.g.	specific gravity
cs.	cases	l.t.l.	less truckload	ship't	shipment
ctns.	cartons	liq.	liquid	soln.	solution
cyls.	cylinders	mfrs.	manufacturers	s.u.	standard unit
d-	dextro	m-	meta	syn.	synthetic
dbl.	double	m.a.p.	mixed aniline point	tanks.	railroad tankcars
denat.	denatured	min.	minimum	tech.	technical
dest-dist.	destructive-distilled	m.p.	melting point	tert-	tertiary
dl-	dextro-laevo	N-	nitrogen	t.l.	truck loads
dist.	distilled	n-	normal	t.w.	tank wagons
		nat.	natural	USP	U. S. Pharmacopoeia
		neut.	neutral	vis.	viscosity
		NF	National Formulary	VM&P	varnish makers & painters
				w. w.	west
				W.	warehouse
				whse.	water-white

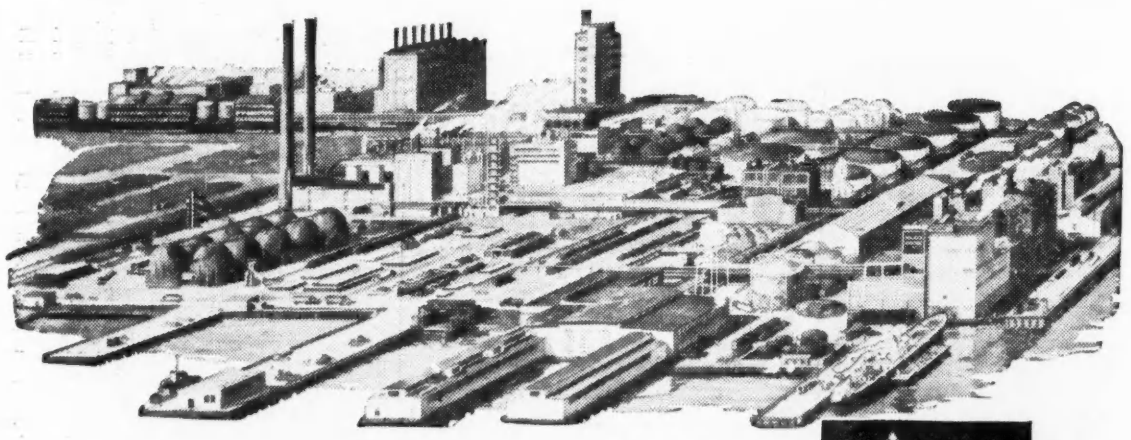
A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, lactic, edible, 50%, bbls., 20 or more lb. .1754- .215
smaller lots lb. .1854- .225
80%, bbls., 3 or more lb. .3054- .37
smaller lots lb. .3104- .375
plastic grade, 50%, bbls., 20 or more, works lb. .23 - —
1 to 19 lb. .235 - —
80%, bbls., 5 or more lb. .385 - —
tech., 22%, bbls., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.70 - —
cbys., l.c.l., works 100 lbs. 12.20 - —
44%, bbls., c.l., works 100 lbs. 11.45 - 11.95
l.c.l., works 100 lbs. 11.85 - 12.35
USP, 85%, cbys. lb. .85 - .88
Laurent's, bbls lb. .60 - —
Lauric, 90%, dms lb. .35½- .37½
Linseed oil, dist., dms lb. .1905- —
w.w., dms lb. .2205- —
Maleic, cryst., powd., dms lb. .37 - .38
Malic, tech., dms lb. .50 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 2.35 - —
smaller lots lb. 2.40 - 2.50
Metanilic, dms., works lb. .57 - .75
Methacrylic, glacial, 98%, dms., truckloads, works lb. .54½- —
smaller lots, works lb. .55 - —
Molybdic, 85%, dms., works lb. 1.15 - —
Monochloroacetic, purif. (see Acid, Chloroacetic mono-).
Muriatic (see Acid, hydrochloric).
Myristic, dms lb. .25 - .27

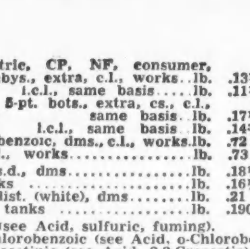
Acid, 1-Naphthol-4-sulfonic (see Acid, Nevile and Winthers).
1-Naphthol-5-sulfonic (see Acid, L).
1-Naphthol-5-sulfonic, 8-amino (see Acid, S).
1-Naphthol-3,6-disulfonic, 8-amino (see Acid, H).
2-Naphthol-6,8-disulfonic (see Acid, Gamma).
5-Naphthol-7-sulfonic, 2-amino (see Acid, J).
Naphtholsulfonic, mixed (see Acid, Cleve's).
1-Naphthylamine-5-sulfonic (see Acid, Laurent's).
2-Naphthylamine-4,8-disulfonic (see Acid, Cassella).
2-Naphthylamine-6-sulfonic (see Acid, Broenner's).
2-Naphthylamine-7-sulfonic (see Acid, F).
2-Naphthylamine-1-sulfonic (see Acid, Tobias).
Nevile and Winther's, dms., frt. alld lb. 1.20 - —
Nicotinic, USP, dms., dlvd lb. 8.00 - 8.30
Amide, USP (see Nicotinamide).
Nitric, 36° Be, cbys., c.l., works, E 100 lbs. 5.75 - —
l.c.l., works, E 100 lbs. 6.05 - 6.85
38° Be, cbys., c.l., works, E 100 lbs. 6.25 - —
l.c.l., works, E 100 lbs. 6.55 - 7.35
40° Be, cbys., c.l., works, E 100 lbs. 6.75 - —
l.c.l., works, E 100 lbs. 7.05 - 7.85
42° Be, cbys., c.l., works, E 100 lbs. 7.25 - —
l.c.l., works, E 100 lbs. 7.55 - 8.35
58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.90 - —

Acid, nitric, CP, NF, consumer, cbys., extra, c.l., works lb. .13½- —
i.c.l., same basis lb. .11¼- .11¾
5-pt. bots., extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .14¾- .20¾
p-Nitrobenzoic, dms., c.l., works lb. .72 - —
l.c.l., works lb. .73 - —
Oleic, s.d., dms lb. .18½- .20½
tanks lb. .16½- —
dbl. dist. (white), dms lb. .21 - .23
tanks lb. .1900- —
Oleum (see Acid, sulfuric, fuming).
Orthochlorobenzoic (see Acid, o-Chlorobenzoic).
Orthocresotinic (see Acid, 2,3-Creosotic).
Oxalic, bbls., c.l., works lb. .16½- —
10,000-lb. lots, works lb. .16¾- —
smaller lots, works lb. .17¾- —
b-Oxynaphthoic, bbls., works lb. 1.14 - 1.17
Palm, dist., dms lb. .14¾- .16¾
tanks lb. .12¾- —
Para-aminobenzoic (see Acid, p-Aminobenzoic).
Para-aminosalicylic (see Acid, p-Aminosalicylic).
Parachlorobenzoic (see Acid, p-Chlorobenzoic)
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic (see Acid, p-Nitrobenzoic)
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)
Phenylacetic, pure, cryst. cns. lb. .75 - 1.70
Phenylcinchoninic (see Cinchophen).
Phenylglycolic (see mandelic).
Phosphoric, food grade, 75%, cbys., c.l., frt. alld, E 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.00 - 8.00
tanks, works 100 lbs. 5.35 - —
80%, cbys., c.l., frt. alld, 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 7.85 - 9.10
NF, 85%, cbys., c.l., works lb. .0825- —
l.c.l., works lb. .0850- .0975
tanks, works lb. .0640- —

Acid, picric, NF, bbls. lb. .60 - —
tech., bbls lb. .34 - .35
Propionic, syn., pure, dms., c.l., works lb. .22¾- —
l.c.l., works lb. .23¾- —
tanks, works lb. .20¾- —
Pyrogallic, NF, (see Pyrogallol).
tech., bbls lb. 2.76 - 2.99
Ricinoleic (see Acid, castor oil, split).
S., bbls., works lb. 3.25 - —
Salicylic, crude, fib. dms., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - —
sublimed, tech., fib. dms., c.l. lb. .37 - —
l.c.l. lb. .41 - —
USP, cryst., fib. dms lb. .48 - —
powd., fib. dms lb. .55 - —
Sebacic, purif., dms., c.l., works lb. .59 - —
l.c.l., works lb. .61 - .65
Soybean oil, dbl. dist., dms lb. .18¼- .20¼
tanks lb. .16¼- —
s.d., dms lb. .16¾- .18¾
tanks lb. .14¾- —
Stearic, dbl. pressed, bgs lb. .15¼- .17¼
single pressed, bgs lb. .14¾- .16¾
triple pressed, bgs lb. .17½- .19½
Succinic, purif., cryst., bbls., works lb. .62 - .75
Sulfanilic, tech., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld lb. .21 - —
Sulfuric, 60° Be, cbys., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
tanks, works ton 18.60 - —
66° Be, cbys., c.l., works 100 lbs. 2.25 - —
l.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton 22.35 - —
98%, tanks, works ton 23.50 - —
99-100%, tanks, works ton 23.95 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .09¾- —
l.c.l., same basis lb. .11¼- .11¾
5-pt. bots., extra cs., c.l., works, frt. alld lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
fuming (oleum), 20%, tanks, works ton 25.00 - —
40%, tanks, works ton 29.00 - —
65%, tanks, works ton 39.50 - —
Tallow, dist., dms lb. .15¼- .17¼
hydrogenated, dms lb. .14¼- .16¼
Tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 2.05 - —
smaller lots lb. 2.06 - 2.10
powd., bbls., 1,000-lb. lots lb. 1.95 - —
smaller lots lb. 1.96 - 2.01
tech., dms lb. 1.05 - —
Tartaric, USP, dom., 230 or 250-lb. dms., c.l. lb. .47 - —
10,000-lb. lots, 1 shipt lb. .47½- —
smaller lots lb. .48 - —
100-lb. dms. lb. .49 - —
imported lb. .39½- .40
Thioglycolic, refd., cbys., 100% basis lb. 1.35 - 1.55
Tobias, bbls., frt. alld lb. .81 - —
Toluenesulfonic, dms., c.l., works, lb. .16 - —
l.c.l., works lb. .17½- —
p-Toluene sulfonic, monohydrate, dms., c.l., or t.l. lb. .90 - —
125 lbs. to t.l. lb. 1.00 - —
p-Toluidine-m-sulfonic, bbls., works lb. .92 - 1.04
Trichloroacetic, bots. lb. 2.00 - 2.50
Trichlorophenoxyacetic (see 2,4,5-T).
Tungstic, tech., kgs., works lb. 4.25 - —
Undecylenic, dms lb. 1.40 - —
Aconite root, bls lb. .50 - .55
Acrolein, tech., dms., c.l., works lb. .47 - —
l.c.l., works lb. .47½- —
tanks, works lb. .46 - —
Acrylonitrile, dms., c.l., t.l., works. lb. .30 - —
l.c.l., l.t.l., works lb. .31 - —
tanks, works lb. .27 - —
ACTH, cryst., bulk, 1,000 units/gram, bots gram 15.00 - —
Adeps lanae (see Lanolin).
Adrenocorticotropic hormone (see ACTH).
Agar, USP, Kobe No. 1, strip, bls. lb. 3.00 - 3.25
powdered, 30 mesh, fib., dms lb. 3.40 - 3.50
dl-Alanine, dms., works lb. 8.50 - 11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .90
Egg, edible, cryst., powd., bbls. lb. 2.24 - 2.26
flake lb. 2.20 - 2.22
tech., cryst., bbls lb. .83 - .90
Alcohol, allyl, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks, dlvd lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, refd.)
ferment., refd., 128°132°C., dms., l.c.l., dlvd lb. .43 - —
ACS grade, dms., c.c.l., dlvd lb. .45 - —
ex-pentane, mixed, amyls, dms., c.l., frt. alld lb. .17½- —
l.c.l., frt. alld lb. .18½- —
tanks, frt. alld lb. .15½- —
primary, dms., c.l., frt. alld, lb. .19¼- —
l.c.l., frt. alld lb. .20¼- —
tanks, frt. alld lb. .17¼- —
sec-synthetic, dms., c.l., works, frt. alld lb. .18½- —
l.c.l., works lb. .19½- —
tanks, works lb. .16½- —
tert-synthetic, dms., c.l., frt. alld, E lb. .17½- —
l.c.l., frt. alld E lb. .18½- —
tanks, frt. alld E lb. .15½- —
1-pentanol, (syn. normal), dms., c.l., works lb. .42 - —
l.c.l., works lb. .43½- —
tanks, works lb. .40 - —
2-pentanol, dms., c.l., works lb. .65 - —
l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Benzyl, NF, dms lb. .64 - .79
tech., dms., dlvd lb. .47½- .49
n-Butyl, ferment., dms., c.l., frt. alld lb. .15½- —
l.c.l., frt. alld lb. .16½- —
tanks, frt. alld lb. .13½- —
n-synthetic, dms., c.l., dlvd lb. .15½- —
l.c.l., dlvd lb. .16½- —
tanks, dlvd lb. .13½- —
sec-synthetic, dms., c.l., dlvd, lb. .13½- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .11½- —
tert-synthetic, dms., c.l., frt. alld, lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12 - —
Capryl, 95%, dms., c.l., works lb. .21½- —
l.c.l., works lb. .22½- .23¼
tanks, works lb. .19½- —
Cetyl, extra, fib., cns., 500-lb. lots or more lb. .73 - —
smaller lots lb. .80 - 1.15
NF, fib., cns., 140-lb. lots or more lb. .58 - .82
smaller lots lb. .59 - .82
Cinnamic, bots lb. 2.15 - 2.75
Decyl mixed isomers, dms., c.l., dlvd lb. .23 - —
l.c.l., dlvd. lb. .24 - —
tanks, dlvd. lb. .21 - —
normal (see 1-Decanol).

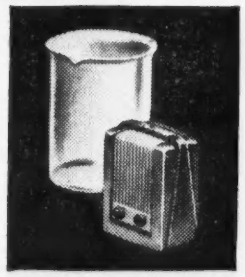


Put This Plant Behind Your Product



Here at Publicker, we maintain that users of our products can no more afford to take chances with quality than we can. Consequently, every drop in every gallon or tank car is exactly according to specifications—always. And Publicker's ultra-modern equipment and vast facilities account for outstanding service to a long list of satisfied customers. May we have the opportunity of meeting *your* requirements?

ETHYL ALCOHOL • BUTYL ALCOHOL, NORMAL
BUTYL ACETATE, NORMAL • ETHYL ACETATE
BUTADIENE • ACETALDEHYDE • ACETIC ACID GLACIAL
ACETONE C.P. • AMYL ACETATE
FUSEL OIL, REFINED • ISOAMYL ALCOHOL
PACO SOLVENT T.R. 590



PUBLICKER INDUSTRIES Inc.

1429 WALNUT STREET, PHILADELPHIA 2, PA.

NEW YORK—NEW ENGLAND—MIDWESTERN DISTRIBUTORS, PUBLICKER ALCOHOL & CHEMICALS SALES CORP.

PHILADELPHIA—LOCUST 4-1400 • NEW YORK—OXFORD 5-4160 • BOSTON—HOMESTEAD 9-0022
CHICAGO—RANDOLPH 6-6678 • CLEVELAND—CHERRY 1-6140

Alcohol, denat. CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies gal. .56½- —
l.c.l., same basis, gal. .61½- .67½
tanks, dlvd. same basis, gal. .43½- —

Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.

Proprietary solvent, dms., c.l., dlvd. E. of Rockies..gal. .59 - —
l.c.l., same basis.....gal. .63 - .69
tanks, same basis.....gal. .45 - —

Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.

SD1, dms., c.l., dlvd. E. of Rockies..gal. .57½- —
l.c.l., same basis.....gal. .62½- .68½
tanks, same basis.....gal. .44½- —
SD2B, dms., c.l., dlvd. E. of Rockies..gal. .56 - —
l.c.l., same basis.....gal. .61 - .67
tanks, same basis .....gal. .43 - —
SD3A, dms., c.l., dlvd. E. of Rockies..gal. .55 - —
l.c.l., same basis.....gal. .60 - .66
tanks, same basis.....gal. .42 - —
SD23A, dms., c.l., dlvd. E. of Rockies..gal. .57½- —
l.c.l., same basis.....gal. .62½- .68½
tanks, same basis.....gal. .44½- —
SD23H, dms., c.l., dlvd. E. of Rockies..gal. .58 - —
l.c.l., same basis.....gal. .63 - .69
tanks, same basis.....gal. .45 - —
SD29, dms., c.l., dlvd. E. of Rockies..gal. .56½- —
l.c.l., same basis.....gal. .61½- .67½
tanks, same basis.....gal. .43½- —
SD30, dms., c.l., dlvd. E. of Rockies..gal. .55 - —
l.c.l., same basis.....gal. .60 - .66
tanks, same basis .....gal. .42 - —
SD35A, dms., c.l., dlvd. E. of Rockies..gal. .58 - —
l.c.l., same basis.....gal. .63 - .69
tanks, same basis.....gal. .45 - —
SD40, dms., c.l., dlvd. E. of Rockies..gal. .56 - —
l.c.l., same basis.....gal. .61 - .67
tanks, same basis.....gal. .43 - —

West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon and Washington, where a 5c. differential on tankcars is maintained.

Diacetone, acetone-free, dms., c.l., dvld..lb. .14 - —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .12 - —
tech., dms., c.l., dlvd.....lb. .13½- —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd .....lb. .11½- —
Ethyl 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies..gal.20.50 - —
tanks, same basis gal.20.37 - —
tax free, dms., c.l., dlvd. E. of Rockies..gal. .55 - —
l.c.l., same basis..gal. .60 - .66
tanks, same basis..gal. .42 - —
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies..gal.21.60 - —
l.c.l., same basis..gal.21.65 -21.71
tanks, same basis..gal.21.47 - —
2-Ethylbutyl, dms., c.l., works..lb. .29½- —
l.c.l., works.....lb. .30 - —
tanks, works .....lb. .28 - —
2-Ethylhexyl, dms., c.l., dlvd. E.lb. .23¾- —
l.c.l., same basis.....lb. .24¾- —
tanks, same basis.....lb. .21¼- —
Furfuryl, cns., works .....lb. .29 - —
dms., c.l., Cedar Rapids, Ia lb. .21 - —
Newark, N. J. .....lb. .21½- —
l.c.l. Cedar Rapids, Ia....lb. .22 - —
Newark, N. J .....lb. .22½- —
tanks, Memphis, Tenn ....lb. .184 - —
Hydroabietyl, tech., solid, Zone 1, dms., c.l., dlvd .lb. .27 - —
l.c.l., dlvd.....lb. .27½- —
tanks, dlvd .....lb. .25 - —
Isoamyl, dms., c.l., works, frt. alld. E .lb. .34 - —
l.c.l., same basis.....lb. .35 - —
tanks, same basis.....lb. .32 - —
Isobutyl, dms., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15½- —
tanks, dlvd .....lb. .12½- —
Iso-octyl, dms., c.l., dlvd. E. lb. .23 - —
l.c.l., dlvd. E .....lb. .24 - —
tanks, dlvd. E .....lb. .21 - —
Isopropyl, refd., 91%, dms., c.l., dlvd..gal. .50 - —
l.c.l., dlvd .....gal. .57 - —
tanks, dlvd .....gal. .37 - —
95%, c.l., dlvd.....gal. .52 - —
l.c.l., dlvd.....gal. .59 - —
tanks, dlvd .....gal. .29 - —
99%, dms., c.l., dlvd.....gal. .54 - —
l.c.l., dlvd.....gal. .61 - —
tanks, dlvd.....gal. .41 - —
Lauryl, bots .....lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Methyl isobutyl carbinol).
Octyl perfumer's grade, bots..lb. 1.75 - 3.25
tech. (see Octanol, normal).
2-Phenylethyl, extra, dms.....lb. 1.14 - 1.45
standard, dms .....lb. 1.18 - 1.48
n-Propyl, dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .10½- —
Tetrahydrofurfuryl, cns., Cedar Rapids, Iowa lb. .54 - —
dms., c.l., Niagara Falls, N. Y. lb. .44½- —
l.c.l., Newark, N. J., Cedar Rapids, Ia lb. .47 - —
tanks, Niagara Falls, N. Y lb. .43 - —
Indust. grade, dms., c.l., Niagara Falls, N. Y lb. .305 - —
l.c.l., Newark, N. J., Cedar Rapids, Ia lb. .33 - —
tanks, Niagara Falls, N. Y. lb. .29 - —
Tridecyl, mixed isomers, dms., dlvd. lb. .26 - —
l.c.l., dlvd.....lb. .27 - —
tanks, dlvd.....lb. .24 - —
Wood (see Methanol).
Aldol, 95%, dms., works.....lb. .23 - —
denaturing grade, dms.....gal. 2.15 - —
Aldrin, tech., fib. dms., c.l., t.l., dlvd lb. .80 - —
l.c.l., dlvd.....lb. .85 - —
Aletris root, bgs.....lb. 1.75 - 1.85
Algin (see Sodium alginate).
Alizarine (see 1,2-dihydroxy anthraquinone).
Allethrin, 90%, dms. frt. alld. .lb.28.80 -28.90
soln., 20%, dms., 200-2,000 lb. lots, frt. alld. lb. 6.50 - 6.55
2½%, dms., frt. alld.....lb. .93 - 1.00
Allspice (see Pimento).
Allyl bromide, chys., works.....lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd.....lb. .17 - —
l.c.l., dlvd .....lb. .18 - —
tanks, dlvd .....lb. .15 - —
Starch, solid, dms., works.....lb. .52¾- .54¾
solution, 40% toluol-butanol, dms., works..lb. .25½- .26¼
Aloe, Cape, cs.....lb. .45 - .48
powd., cs.....lb. .50 - —
Curacao, kgs.....lb. .50 - .55
Aloin, USP, bbls., dms., kgs....lb. 3.75 - 3.82
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene(see a-Nitronaphthalene).
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).

Alum, ammonium, gran., bgs., works 100 lbs 4.30 - —
lump, dms., works....100 lbs. 5.05 - —
powd., dms., works....100 lbs. 5.20 - —
USP, burnt, dms.....lb. .20 - .21
hydrous, dms. .....lb. .07¾- .08
Potassium, gran., bgs., works. 100 lbs. 4.53 - —
lump, dms., works....100 lbs. 5.30 - —
powd., dms., works....100 lbs. 5.45 - —
USP, burnt, dms.....lb. .20 - .21
hydrous, dms.....lb. .07¾- .08
Potash-chrome, dms.....lb. .17 - —
Sodium, dms., c.l., works. 100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0425- —
l.c.l., works.....lb. .045 - .053
Aluminum acetate, basic soln., 24%, bbls., i.c.l. works lb. .14 - —
Chloride, coml., anhyd., dms., c.l., works, frt. equald lb. .15½- —
l.c.l., works, frt. equald, lb. .16 - —
cryst., dms., c.l., works...lb. .1450- —
l.c.l., works .....lb. .1500- —
soln., 32°, cbys., c.l., works lb. .0445- —
l.c.l., works.....lb. .0520- .1295
tanks, works .....100 lbs. 3.45 - —
NF, gran., dms., works .....lb. .29 - .30
Fluoride, tech., anhyd., bgs., c.l., works lb. .15¾- —
l.c.l., works .....lb. .16¾- .18¾
Aluminum fluoride in fib. dms. 0.35c. per lb. higher.
Formate, basic soln., dms., c.l., works lb. .12 - —
l.c.l., works.....lb. .12½- —
Hydrate, heavy bgs., c.l., frt. equald lb. .0293- —
2,000-20,000 lb. lots, same basis lb. .042 - —
bulk, same basis.....lb. .027 - —
light, bgs., dlvd.....lb. .18 - —

Aluminum hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
contract, works lb. .18 - —
dried, USP, XIV, fib. dms., works lb. .82½- —
contract, works .. lb. .79½- —
tech., powder (see Aluminum hydrate).
Metal, 99%+, ingots, 10,000-lb. lots, frt. alld lb. .2440- —
pigs, 10,000-lb. lots, frt. alld. lb. .2250- —
Oxide, amorphous (see Alumina, calcined).
Paste, lining, extra-fine, dms lb. .65½- —
standard grade, dms. .... lb. .45½- —
Powder, lining, extra, fine, dms. lb. 1.03½- —
standard grade, dms .... lb. .75 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., 2.1% Al, dms., frt. alld lb. .30½- —

Aluminum stearate, dibasic, ctns., c.l lb. .37 - —
l.c.l. .....lb. .39 - 42
monobasic, ctns., c.l.....lb. .37 - —
l.c.l. .....lb. .38 - 42
tribasic, ctns., c.l.....lb. .37 - —
l.c.l. .....lb. .38 - 42
Sulfate, coml., bulk, c.l., works. 100 lbs 1.85 - —
grd., bgs., c.l., works ton 37.00 - —
lump, bgs., c.l., works ton 40.00 - —
Iron-free, bgs., c.l. works, frt. equald 100 lbs 3.55 - —
l.c.l., works, frt. equald. 100 lbs 3.95 - —
Prices $1 per ton higher in the south.
USP, gran., dms., works lb. .16 - .18
powd., dms., works lb. .36 - .37
Trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots .....oz. 8.00 -10.00
Aminoazotoluene base, bbls., 100% basis lb 1.03 1.18
o-Aminobiphenyl, dms. c.l. works lb. .32½- —
l.c.l. works .....lb. .33 - —
tanks, works .....lb. .31 - —
Aminoethyl ethanolamine, dms., c.l., dlvd lb. 46½- —
l.c.l. dlvd. .....lb. .45 - —
tanks, dlvd .....lb. .45 - —
2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld lb. .44 - —
l.c.l., frt. alld.....lb. .45 - —
tanks, frt. alld. .....lb. .42 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
smaller lots .....lb. 2.50 - —

Buying ETHYL ALCOHOL?

Here's why your best source is

SHELL CHEMICAL

1 **You get extremely pure** alcohol. Meets U.S.P. requirements and is widely used in food and drugs.

2 **Fast delivery is assured** because of denaturing facilities in key locations.

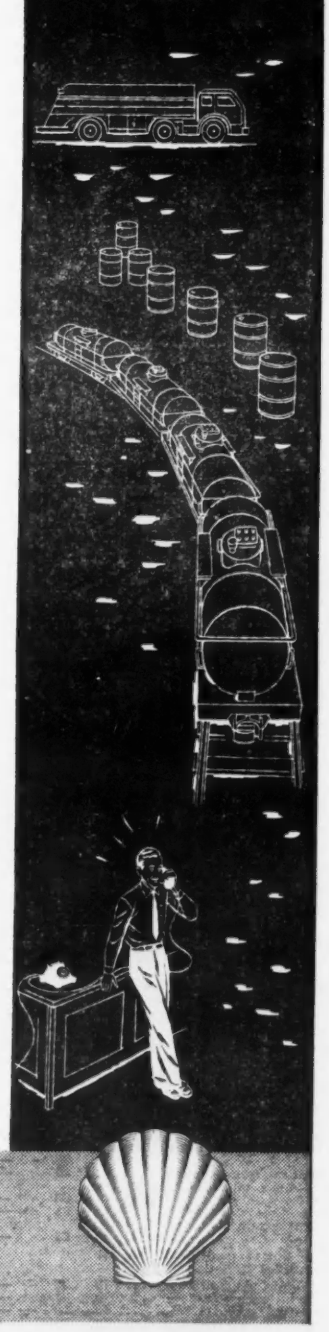
3 **You can save money** through multi-solvent buying in compartment trucks or tank cars.

4 **Available in all major formulations,** including a proprietary solvent.

Whether you buy by the drum or the tank car, you will find that Shell Chemical can supply your ethyl alcohol needs both promptly and efficiently.

Shell Chemical's ethyl alcohol is of the highest quality, meeting or surpassing all Federal and commercial specifications for purity. It is available as pure alcohol (190 proof), in specially and completely denatured grades . . . as well as in the proprietary solvent, Neosol®.

Write or phone your nearest Shell Chemical office for delivery information. Send for "Organic Chemicals," SC:54-40, a catalog of solvents, intermediates and resins.



SHELL CHEMICAL CORPORATION
CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE
380 Madison Avenue New York 17, New York
Atlanta · Boston · Chicago · Cleveland · Detroit · Houston · Los Angeles · Newark · New York · San Francisco · St. Louis
IN CANADA: Chemical Division, Shell Oil Company of Canada, Limited · Montreal · Toronto · Vancouver

p-Aminophenol, dms., frt. alld ... lb. 1.15 - —
Aminophylline, USP, 100-lb. dms. lb. 3.55 - —
Ammonia anhyd. fertilizer, tanks, works, frt. equald ton.85 00 - —
refrigeration, tanks works, frt. equald ton.87.50 - —
aqueous (29.4% NH3), dms., c.l., dlvd Metropolitan area 100 lbs 3.60 - —
t.c.l. works 100 lbs 4 00 - —
tanks works, anhyd basis ton 88 00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal, gray, bgs., c.l., works frt equald 100 lbs 8.25 - —
t.c.l. same basis 100 lbs 8.65 11 15
white gran. (see Ammonium chloride, tech.).
Ammonium acetate, purif., dms lb. .38 - —
Benzoate USP dms, kgs. 4,000-lb. lots frt. alld lb. 80 - —
smaller lots frt. alld lb. 81 1.08
Biborate gran., dms. c.l., works. ton.319.50 - —
ton lots, ex whse ton.395.00 - —
smaller lots, ex whse ton.400 00 - —
Bicarbonate dom., dms., c.l., works. 100 lbs. 6.50 - —
t.c.l. works 100 lbs 8.00 - —
imp dms t.c.l. lb. 07¼ - 08½
Bichromate, dms., works lb. .42 - .43
Bifluoride, dms., dlvd lb. .2145- .2245
Bromide, NF, gran., bbls lb. .40 - —
Powdered ammonium bromide 10c per lb. higher.
Carbonate, USP, lump, dms lb. .16 - —
Chloride, tech., white, gran., fines, bgs., c.l., works 100 lbs. 5.25 - —
t.c.l., works 100 lbs. 7.00 - —
USP, gran., bbls., dms lb. .17¼ - —
Citrate, dibasic, bbls lb. .77 - —
Dichromate (see Ammonium bichromate).
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqueous).
Hypophosphite, NF, dms lb. 3 07 - —
Iodide, NF, dms., bots lb. 4.26 - 4.38
Linoleate, 80%, dms., works lb. .50 - .55
Nitrate dom. fertilizer grade, 33.5% N., bgs., western works frt equald ton.68 00 - —
with dolomite, 20.5%N bgs. Hopewell, Va ton.51.00 - —
imp. Canadian, 33.5% N, eastern bgs., c.l., ship't point, frt equald to $8 per ton. ton.70 00 - —
western bgs. c.l. f.o.b cars, Los Angeles.ton.82.84 - —
Oxalate, fine gran., dms lb 26½ - 31
Pentaborate, gran., bgs., c.l., works ton.187.50 - —
ton lots, ex whse ton.271 50 - —
smaller lots, ex whse ton.276.50 - —
Ammonium pentaborate powder $10 per ton higher.
Persulfate, kgs lb. .38 - .47½
Phosphate coml. bgs. c.l., works, frt. equald lb. .09 - —
t.c.l., same basis lb. .0935- —
dibasic, NF, V bbls., dms. lb. .46 - —
tech., bgs., c.l., works, frt. equald lb. .09 - —
t.c.l., same basis lb. .0935- —
Salicylate, NF dms., kgs lb. 1.62 1 64
Silicofluoride, dms., works lb. .11¾ - 13¼
Sulfamate, bgs., c.l., t.l., works, lb. .18 - —
t.c.l., works lb. .22 - —
Sulfate coke-oven bulk producing ovens, base price ton.42 00 -45.00
syn., bulk, c.l., works ton.42 00 -46.00
purif., dms., works lb. 09 .09½
Sulfide, liq., 40-44%, tanks, frt. equ'd., 100% basis ton.160.00 - —
Sulfocyanide (see Ammonium thiocyanate)
Thiocyanate tech., dms., c.l., works lb. .20 - —
t.c.l. works lb. .22 - .26
Thioglycollate, coml., cbys., 100% basis lb. 1.35 1 55
highly purif. cbys. 100% basis. lb 1.70 1 96
Thiosulfate cryst., photo grade, fib dms., frt. alld lb. .65 - —
60% soln dms c.l. works lb. 06½ - —
d-Amphetamine hydrochloride dibasic, bots lb.28.00 - —
dl, dms lb. 6.00 - —
d-monobasic, bots lb.28.00 - —
d-Phosphate, dibasic bots lb.28.00 - —
dl, dms lb 6.00 - —
d-Sulfate, dms lb.28.00 - —
dl, dms lb. 6.00 - —
Amyl acetate ex fusel oil, tech., dms. c.l. frt alld. E of Rockies lb. .22 - —
t.c.l. same basis lb. .23 - —
tanks, same basis lb. .20 - —
syn., oxo process, dms., c.l., dlvd lb. .19¼ - —
t.c.l., dlvd lb. .20¼ - —
tanks, dlvd lb. .17¼ - —
ex pentane, reg., dms., c.l., dlvd lb. .17½ - —
t.c.l., dlvd lb. .18½ - —
tanks, dlvd lb. .15½ - —
tech., dms., c.l., dlvd lb. .15½ - —
t.c.l., dlvd lb. .16½ - —
tanks, dlvd lb. .13½ - —
Alcohol (see Alcohol, amyl).
n-Butyrate, dms lb. .90 - 1 25
Cinnamic, aldehyde, dms lb. 1.75 - 2 20
Nitrite, USP, bots lb. 1.75 - 1 83
Salicylate, cns., dms lb. .74 - 1.03
o-tert-Amyl phenol, dms., c.l., works. lb. .48 - —
t.c.l. works lb. .49 - —
tanks, works lb. .46 - —
p-tert-Amyl phenol, dms. c.l. works lb. .25¾ - —
t.c.l., works lb. .26¾ - —
tanks, works lb. .24¾ - —
Anethole, NF, cns., dms lb. 1.85 - —
tech., dms lb. 1.10 - 1.15
Angelica root, dom. bls lb. .60 70
Aniline oil, dms., c.l., works, frt. alld lb. .21 - —
t.c.l. works, frt. alld lb. .22 - —
tanks, works, frt. alld lb. .20 - —
Salt, dms., c.l., truckloads, 20,000 lbs., min., frt. alld lb. .31 - —
t.c.l., same basis lb. .33 - —
Anise seed, Mexican, bgs lb. No prices.
Spanish, bgs., Mexican, bgs lb. .31 - —
Anisic aldehyde, bots., dms lb. 1.80 - 2.70
o-Anisidine, dms, works lb. .88 - —
p-Anisidine, dms., works lb. .97 - —
Annatto seed whole, bgs. lb .24 - —
powd., dms. lb. 28 - —
Anthracene 90-95% bbls., ton-lots, works lb. .83 - —
smaller lots works lb. 95 - —
Anthraquinone, 99.5% bbls, c.l., frt. alld lb. .83 - —
t.c.l., same basis lb. .86 - —
electrical grade bbls., t.c.l., same basis lb. .91 - —
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .33 - —
cs., c.l., mines lb. .33½ - —
Oxide, bgs., c.l., frt. alld lb. .29 - —
t.c.l., frt. alld lb. .30½ - —
Antimony sulfide, approx. 65%, bgs., dlvd lb. .23 - .26
Trichloride, anhyd., solid, pails, c.l., works lb .41 - —
t.c.l., works lb. .43 - —
Antimony-potassium tartrate, tech., powd., dms lb. .65½ - .70½
USP, powd., dms lb. .70½ - .71½
Antipyrine, NF, 200-lb. bbls lb. 3.50 - —
Apomorphine hydrochloride, USP, bots oz.23 40 -23 90
Areca nuts, powd., bbls lb 15 16
Arecoline hydrobromide, NF, bots., tins oz 4.50 6.00
l-Arginine monohydrochloride, dms. 1 kilo lots ki'o.74.80 - —
Arnica flowers (true montana), bls. lb. No prices.
Arsenic metal (lump bbls. ex whse. lb. .54 - —
Trioxide, USP dms lb. .48 - —
White, powd., bbls., c.l., dlvd lb. .05½ - —
t.c.l., dlvd lb. 05½ - .07½
Asafetida, cs lb .36 - .39
powd., bbls., dms lb. .50 - 53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.1,430.00- —
No. 2, c.l. (20 tons), mines ton.742.50 - —
Run-of-mine, c.l. (20 tons) mines ton.611.60 - —
3K, c.l. (20 tons), mines ton.479.60 - —
3R, c.l., (20 tons), mines ton.408.10 - —
3T, c.l. (20 tons), mines ton.382.80 - —
3Z, c.l. (20 tons), mines ton.353.10 - —
4K, c.l. (20 tons), mines ton.190.30 - —
4M, c.l. (20 tons), mines ton.190.30 - —
4T, c.l. (20 tons), mines ton.171.60 - —
4Z, c.l. (20 tons), mines ton.171.60 - —
5D, c.l. (20 tons), mines ton.134.75 - —
5X, c.l. (20 tons), mines ton.134.75 - —
5M, c.l. (20 tons), mines ton.122.35 - —
5R, c.l. (20 tons), mines ton.115.50 - —
6D, c.l. (20 tons), mines ton.81.90 - —
7D, c.l. (20 tons), mines ton.71.92 - —
7F, c.l. (20 tons), mines ton.68.25 - —
7H, c.l. (20 tons), mines ton.57.75 - —
7K, c.l. (20 tons), mines ton.48.30 - —
7M, c.l. (30 tons), mines ton.42.00 - —
7R, c.l. (20 tons), mines ton.40.95 - —
7RF, c.l. (30 tons), mines ton.42.00 - —
7T, c.l. (30 tons), mines ton.38.85 - —
7TF, c.l. (30 tons), mines ton.42.00 - —
8S, c.l. (30 tons), mines ton28.35 - —
Asbestos c.l. prices are in U. S. funds, t.c.l. lots $4 per ton higher.
Asphalt, gilsonite, black jet, bgs., c.l., mines ton.37.00 - —
select, 350° F. fusing pt., bgs., c.l., mines ton.38.00 - —
270°-295°F., fusing pt., bgs., c.l., mines ton.37.00 - —
seconds, 300°-390°F. fusing pt., bgs., c.l., mines ton.32.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼ - —
Petroleum, cut-back, tanks, tank-wagon, refy gal. .09 - —
emulsion, tanks, tankwagon, refy. gal. .09½ - —
steam-refd., 50-60 penetration, tanks, tankwagon, refy ton.21.00 - —
85-300 penetration, tanks, tank-wagon refy ton 20 00 - —
Aspirin, (see Acid acetylsalicylic).
Atropine, USP, bots oz. 6.25 - 6.75
Sulfate, USP, bots oz. 4.00 - 4.20

B

Bacitracin, bulk, 1,000 000 000 or more units 50,000 units. .70 - —
less than 1,000,000,000 units, 50,000 units. .75 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barberry root bark, bgs lb. .28 - .30
Barbital, USP, 100-lb. dms lb. 4.50 - —
Sodium, USP, dms lb. 4.75 - 4.77
Barium carbonate, precip., bgs., c.l., works ton.100.00 - —
smaller lots, works ton.110.00 - —
Chlorate, kgs., works lb. .32 - .36
Chloride anhyd., bgs., c.l., works. ton.165.00 - —
t.c.l., works ton.175.00 - —
NF, cryst., dms lb. .20 - —
tech., cryst., dms., c.l., works. 100 lbs. 6.50 - —
t.c.l., works 100 lbs. 7.00 - —
Chromate, bgs., frt. equald lb. .35 - —
Dioxide (see Barium peroxide).
Hydrate cryst., bgs., c.l., t.l., frt. equald ton.200.00 - —
t.c.l., l.t.l., frt. equald ton.210.00 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., t.l., dlvd lb. .16 - —
t.c.l., l.t.l., dlvd lb. .17 - —
Oxide, grd., dms., c.l., t.l., frt. equ'ld ton.275.00 - —
t.c.l., l.t.l., frt. equald ton.285.00 - —
Peroxide, dms., frt. equald lb. .20 - —
Stearate, ctns., c.l., frt. alld lb. .39 - —
t.c.l., same basis lb. .40 - .44
Sulfate, tech. (see Barytes and Blanc fixe).
X-ray dms lb. .15 - .15½
Sulfide, dms., c.l., works ton.85.00 - —
t.c.l., works ton.95.00 - —
Barytes, Southern, off-color, bgs., mines ton.25.00 - —
95-75% bgs. mines ton.25 00 - —
water-grd., paper bgs., c.l., E. St. Louis ton.45.00 - —
ex-whse. N. Y. ton.65 10 - —
Bauxite, bulk, mines ton. 6.75 -10 00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .35 - .37
root, bls lb. 45 - 50
Bentonite, dom., 200 mesh, bgs., c.l., mines ton.14.00 - —
imp. Italian, white, high gel., bgs., 5-ton lots, ex whse ton.80.60 - —
1 ton-lots, ex whse ton.83.10 - —
tow gel., bgs., 5-ton lots, ex whse ton.78.95 - —
1-ton lots, ex whse ton 81 45 - —
Benzal chloride, cbys., works lb. 22 - .23½
Benzaldehyde, NF, dms lb. 74 - 1.05
tech., cbys., t.l., dms lb. .43 - —
smaller lots lb. .44 - —
Benzene (See Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane)
tech., high gamma, bgs., c.l., dlvd., gamma unit-lb. .0075- —
t.c.l., works, gamma unit-lb. .009 - —
low gamma, bgs., c.l., dlvd., gamma unit-lb. .007 - .0075
t.c.l., works, gamma unit-lb. .0075- .009
Benzidine hydrochloride, bbls., c.l., frt. alld., 100% basis lb. 1.03 - —
t.c.l., same basis lb. 1.05 - —
Sulfate, tech., frt. alld, 100% basis lb. 1.05 - —
Benzocaine, dms. lb. 3.48 - 3.50
Benzol, coaltar, pure or nitration, tanks, works:—
Bethlehem, Pa gal. .36 - —
Birmingham district gal. .36 - —
Chicago district gal. .36 - —
Cleveland district gal. .36 - —
Benzol, coaltar, pure or nitration, tanks, works:—
Geneva, Utah gal. .36 - —
Johnstown, Pa. gal. .36 - —
Lackawanna, N. Y. gal. .36 - —
Lone Star, Texas gal. .36 - —
Lorain, Ohio gal. .36 - —
Middletown, Ohio gal. .36 - —
Minnequa, Colo gal. .36 - —
Philadelphia district gal. .36 - —
Pittsburgh district gal. .36 - —
Sparrows Point, Md. gal. .36 - —
Syracuse, N. Y. gal. .36 - —
Terre Haute, Ind. gal. .36 - —
Youngstown, Ohio gal. .36 - —
Benzophenone, dms. lb. 1.40 - 1.70
Benzotrichloride, cbys., 1,000-lb. lots or more, frt. equald lb. .18 - —
smaller lots, frt. equald lb. .20 - —
Benzoyl chloride, cbys., dms., c.l., works frt. equald lb. .22 - —
t.c.l., same basis lb. .23 - —
tank trucks, dlvd Metropolitan area lb. .21 - —
Peroxide, purif., fib. dms., 50 to 1,000-lb. lots, works lb. .98 - 1.08
Benzyl acetate, t.f.c. cns., dms lb. .62 - 1.04
Alcohol (see Alcohol, benzyl)
Benzoate, USP, f.f.c. cns., dms lb. .62 - 1.10
Chloride, tech., 13-gal. cbys., dms. c.l., works, frt. equald. lb. .23 - —
t.c.l., same basis lb. .24 - —
tank trucks, same basis lb. .21 - —
A 2½c. differential is quoted on benzyl chloride in 5-gal cbys. In steel dms. prices were ½c lower
Cinnamate, cns lb. 3.60 - 3.90
Formate, cns. lb 1.30 - 2.10
Isoeugenol, cns. lb 8.60 - 9.10
Propionate, bots. lb. 1.35 - 1.65
Salicylate, bots. lb. 1.50 - 1.85
Benzylidine acetone, bots lb. 1.68 - 1.80
Chloride (see Benzal chloride).
Berberine bisulfate, cns lb.35.00 -36 25
Hydrochloride, bots. lb.35.00 -36.25
Betagammapicoline (see b.g-Picoline).
Betamethylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphthylamine)
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, technical)
Biotin cryst., bots gram.10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms. lb 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —
Nitrate, cryst., dms lb. 2.10 - 2.17
Oxide, anhyd., dms lb. 4.47 - 5.05
Oxychloride, dms lb. 4.37 - 4.42
Phenolsulfonate, fib. dms lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib. dms lb. 3.15 - —
Subiodide, fib. dms. lb 5.37 - —
Subnitrate, NF, dms lb 2.65 - —
Subsalicylate, USP, dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd jars lb. 4.22 - —
Black, acetylene, imp., bgs., c.l., duty and freight extra lb. .17 - —
cs., l.c.l., ex whse lb. .22½ - .26
Ash (see Barium sulfide).
Bone dms t.c.l. frt alld lb. .17 - 23¼
Pacific coast bone black prices 2c. per lb. higher.
Carbon, channel, pigment, high color, beads, ctns., c.l., works. lb. .72 - —
t.c.l., dlvd or whse lb. .78 - —
medium color, uncompressed, bgs. c.l., works. lb. .12 - —
t.c.l. dlvd or whse. lb. .19 - —
rubber, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .074 - —
t.c.l., works lb. .1225- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., t.c.l., whse lb. .10 - —
high abrasion, bulk, c.l. works. lb. .0750- —
bgs., c.l., works lb. .0790- —
t.c.l., dlvd. or whse lb. .122 - .125
high modulus, bgs., c.l., works. lb. .0350- —
ctns., t.c.l. whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs., ctns., t.c.l., whse lb. .085 - —
Charcoal (see C).
Dyes (see Dyes).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works. lb. .13¼ - —
t.c.l., works lb. .13½ - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs., works lb. .0160- .0675
Blackberry root bark, bls lb. .45 - —
Black haw root bark, bls lb. .63 - .65
tree bark, bls lb 40 - .45
Blanc fixe, dry, byproduct, bgs., c.l., works ton.190.00 - —
t.c.l., works ton.200.00 - —
direct process, bgs., c.l., works. ton.110.00 - —
t.c.l., works ton.120.00 - —
N. Y. whse ton.155.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
t.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammonia, bgs unit-ton. 5.00 - —
high-grade, unground, 16-17% ammonia, bgs., Chicago, unit-ton. 4.50 - —
soluble, bgs., c.l. lb. .14 - 17
t.c.l. lb. .18 - .25
Bloodroot, bls lb. .48 - .50
Blue, alkali, dry, 250-lb. bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.10 - —
toner, 125-lb. bbls., litho flushed, same basis lb. 1.20 - —
Chinese, bbls., same basis lb. .50 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
Imitation (see Blue, ultramarine).
Dyes (see Dyes).
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA, bbls., same basis lb. 2.75 - —
tungstated, PTMA, bbls., same basis lb. 4.00 - 4.15
Milori, bbls., same basis lb. .50 - —
Peacock, fugitive, 100% color strength, bbls., same basis, lb. .85 - —
Phthalocyanine, full strength, bbls., same basis lb. 3.45 - —
resinated, bbls., same basis lb. 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .50 - —
soluble, bbls., same basis lb. .50 - —
Soda, CP, bronze, bbls., same basis lb. .56 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .30½ - .35
jobbing types, bbls., same basis. lb. .19 - —
Blue, ultramarine, regular types, dry, bbls., same basis lb. .22½ - .35
Victoria toner, molybdated, PMA, bbls. lb. 4.10 - —
tungstated, PTMA, bbls. lb. 5.35 - —
Blue dry colors, dlvd. prices ½c higher Ala., Fla., Ga., La. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago
Vitriol (see Copper sulfate).
Bluestone (see Copper sulfate).
Bonemeal, steamed, works, E ton.65.00 - —
Los Angeles ton.82 00 - —
Bone phosphate defluorinated (see D) of lime (see Calcium phosphate, tribasic), precipitated (see Calcium phosphate tribasic, NF, precip.)
Borax, tech., anhyd., 99½%, bgs. c.l., works ton.80.50 - —
ton lots ex whse N. Y. or Chicago ton.130.25 - —
bulk, c.l., works ton.71.50 - —
cryst., 99½%, bgs., c.l., works. ton.69.25
ton lots, ex-whse. N. Y. or Chi ton.119.00 - —
smaller lots, same basis. ton.124.00 - —
gran., decahydrate, 99½%, bgs. c.l., works ton.43.25 - —
ton lots, ex whse., N. Y., Chi ton.93.00 - —
smaller lots, same basis ton.98.00 - —
bulk, c.l., works ton.36.75 - —
pentahydrate, 99½%, bgs., c.l., works ton.57.75 - —
ton lots, ex whse., N.Y., Chi ton.107.50 - —
smaller lots, same basis ton.112.50 - —
bulk, c.l., works ton.51.25 - —
powd. 99½%, bgs., c.l., works ton.48.25 - —
ton lots, ex-whse., N. Y. or Chi ton.98.00 - —
smaller lots, same basis ton.103.00 - —
Borax packed in kgs., $4.50 per ton higher than in paper bgs.; in barrels, $24.50 higher. USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. pt lb. .18 - .24
t.c.l., same basis lb. .19 - .26
Borneol, cns lb. 2.50 - 4.50
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
t.t.l., works lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulfur).
Bromine, purif., cs., c.l., t.l., dlvd. E. of Rockies lb. .31 - —
t.c.l., same basis lb. .33 - .38
ret. dms., c.l., t.l., dlvd. E. of Rockies lb. .30 - —
t.c.l. same basis lb. .30 - .32
tanks, same basis lb. .21½ - —
Bromochloromethane, dms., c.l., frt. equald lb. .48 - —
t.c.l., same basis lb. .50 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder aluminum (See A).
Brown, iron oxide, pure, bgs., c.l., works lb. .14¼ - —
t.c.l., works lb. .14½ - —
Oxide, metallic, bgs., works lb. .04 - —
Sienna, burnt., paper bgs., c.l., works lb. .04¼ - .15¼
t.c.l., works lb. .04½ - .15½
raw, paper bgs., c.l., works lb. .04½ - .13
t.c.l., works lb. .04¾ - .13¼
Umber, burnt., American, bgs., c.l., works lb. .06 - —
t.c.l., works lb. .06¼ - .07
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¾ - —
t.c.l., works lb. .07 - —
raw, American, bgs., works lb. .06¼ - .06½
Turkey-type, bgs., works lb. .06¾ - .07
Vandyke, bbls., works lb. .09½ - .12
Brucine, cns., 100-oz. lots oz. .20 - .25
Sulfate, NF, cns., 100-oz. lots oz. .15 - .20
Buchu leaves, bls lb. .05 - —
Butadiene, refd., cyls., c.l. refy lb. .21 - —
t.c.l., refy. lb. .22 - —
tanks, refy lb. .15 - —
Butane, indust., tanks, group 3 gal. .02½ - —
N. Y. harbor gal. .08 - —
n-Butyl acetate, ferment., dms., c.l., frt. alld lb. .15½ - —
t.c.l., same basis lb. .16½ - —
tanks, same basis lb. .13½ - —
syn., dms., c.l., dlvd E lb. .15½ - —
t.c.l., same basis lb. .16½ - —
tanks, same basis lb. .13½ - —
sec-Butyl acetate, syn., dms., c.l., dlvd. E lb. .13 - —
t.c.l., same basis lb. .13¾ - —
tanks, same basis lb. .11¼ - —
Butyl alcohol (see Alcohol, n-Butyl).
Aldehyde (see Butyraldehyde).
Chloride, dms., c.l., works lb. .37½ - —
t.c.l. works lb. .38 - —
Ether, dms., c.l., works lb. .32¾ - —
t.c.l., works lb. .33¼ - —
tanks, works lb. .31 - —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42 - —
t.c.l., same basis lb. .47 - —
tanks, same basis lb. .40 - —
Laurate, dms., works lb. .39 - —
Methacrylate, dms., c.l., t.l., works. lb. .70 - —
t.c.l., works lb. .55½ - —
Oleate, refd. dms., t.c.l., works lb. .32 - —
Phenylacetate, dms. lb. 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., t.c.l., frt. equald. lb. .25½ - —
Butylamine (see mono-, di-, and tri-).
6-tert-Butyl-m-cresol, dms., c.l., works lb. .55 - —
t.c.l., works lb. .56 - —
tanks, works lb. .54 - —
p-tert-Butylphenol, bgs., c.l., works. lb. .25½ - —
Butyraldehyde, dms., c.l., dlvd lb. .21½ - —
t.c.l. dlvd lb. .22½ - —
tanks, dlvd lb. .19½ - —
Butyric ether (see Ethyl butyrate).

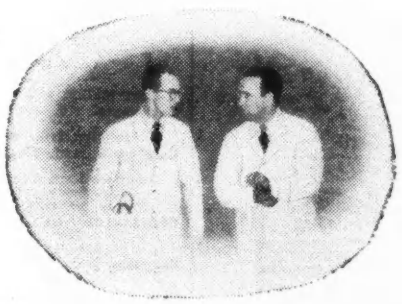
C

Cacao butter (see Cocoa butter).
Cadmium iodide, 25-lb. fib. dms lb. 6.75 - 7.00
Metal ingots or sticks, cs., dlvd. lb. 1.70 - —
Caffeine, USP, nat., cryst., anhyd., dms., 100-lb. lots or more lb. 3.00 - —
hydrous, dms., 100-lb. lots or more lb. 2.80 - —
syn., cryst., anhyd., dms., 100-lb. lots or more lb. 3.00 - —
hydrous, 100-lb. lots or more lb. 2.80 - —
Citrated, USP, dms., 100-lb. lots or more lb. 2.70 - —

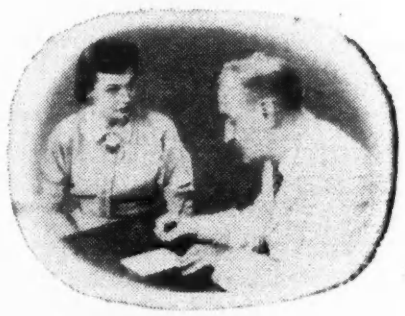
Progress Report

from **HOFFMANN-LA ROCHE**
vitamin division

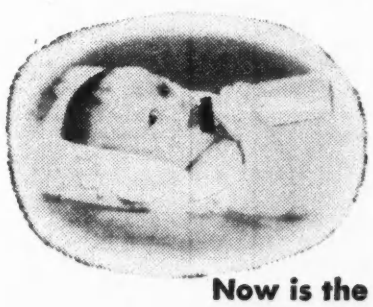
If you use *pyridoxine* in your formulae ... *this message is important!*



Increasing interest among MD's
Continued widespread interest in the pharmaceutical industry and the medical profession reaches new heights with release of information at the symposium on "Newer Vitamins" held under the auspices of the National Vitamin Foundation at Vanderbilt University. The importance of pyridoxine in the field of nutrition is emphasized.



Metabolic imbalance in pregnancy
Its particular role in the metabolism of tryptophane and other amino acids may be significant in correcting certain metabolic imbalances known to exist in some pregnancies.



Important in infant feeding
Already proven vital in infant feeding, new evidence suggests that it may be important in preventing some congenital malformations.

Now is the time to re-examine your formulae in relation to proper pyridoxine content. Feel free to call on Roche for technical assistance. Our staff is always ready to help.

Quick reasons for your choice of Pyridoxine 'Roche'

'ROCHE' VITAMIN B6

Quality – Equals or exceeds U.S.P. standards. May be used for parenterals.
Uses – Ideal for all types of pharmaceutical formulations.
Supply – Need a gram . . . or a ton? Roche will supply you.
Delivery – Strategically located warehouses insure fast service.
Packaging – Polyethylene bags sealed with saf-t-tag. In ½ and 1 kilo tamperpruf metal containers. Larger quantities in fibre drums; small in amber s.c. bottles.
Samples? – Ask your Roche salesman or write the Vitamin Division.

Call **ROCHE** *for VITAMINS*

VITAMIN DIVISION • HOFFMANN-LA ROCHE INC. • NUTLEY 10, NEW JERSEY

NUtley 2-5000 • In New York City dial OXford 5-1400

Pacific Coast distributor: L. H. BUTCHER COMPANY, San Francisco, Los Angeles, Seattle, Portland, Salt Lake City
In Canada: Hoffmann-La Roche Ltd., 286 St. Paul Street, West, Montreal, Quebec

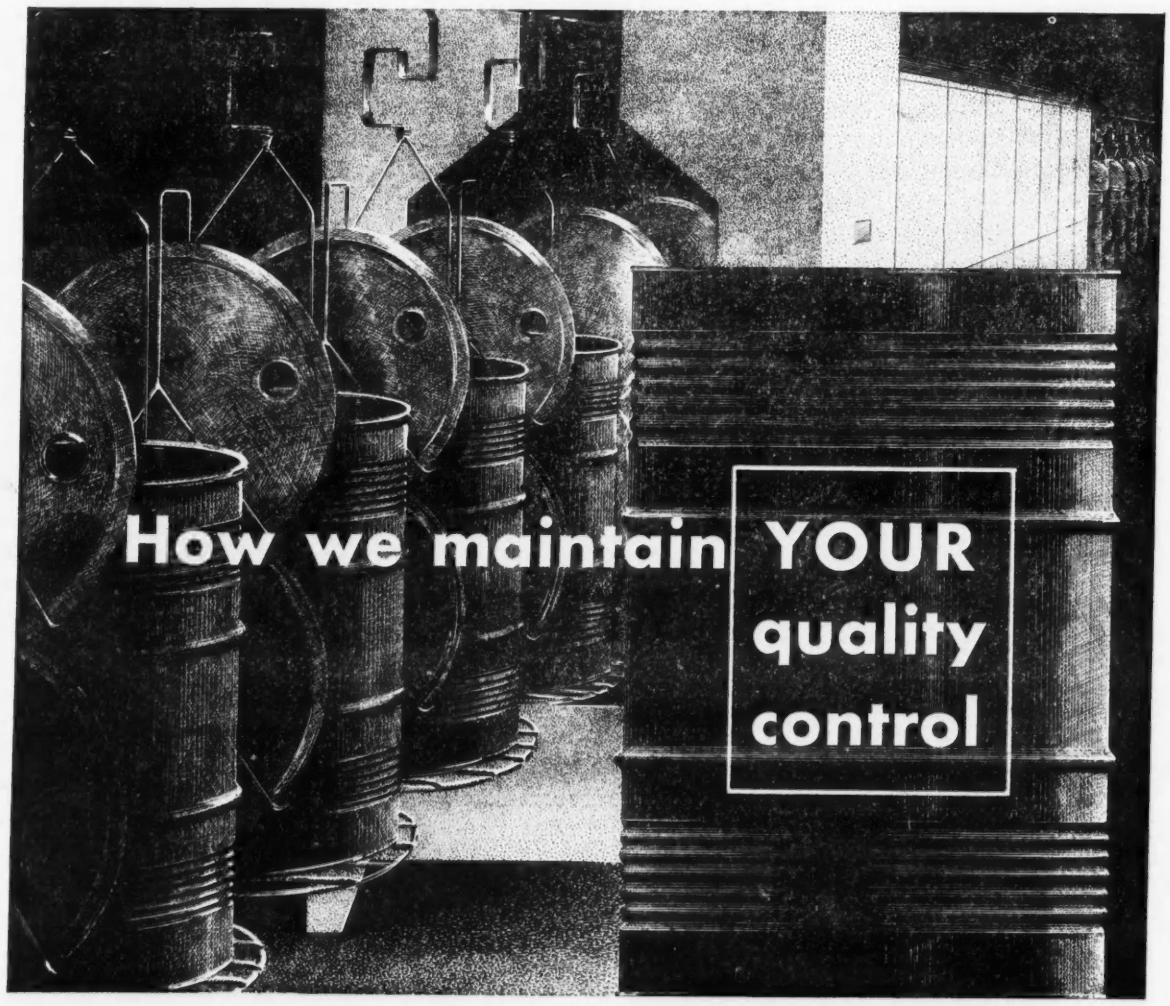
Calamine—Chloramine T

Calamine, USP, dms..... lb. .34 - —
Calciferol, cryst., vials, 1-kilo lots, works gram. .60 - —
25 to 100 gram lots, works. gram. .65 - —
in edible oil (see Viosterol).
Calcium p-aminosalicylate, fib., dms., 1,000 lb. lots, frt. adjusted lb 7.00 - —
smaller lots, same basis lb. 7.05 - 7.50
Arsenate, dealers, drums., c.l., whse., works, frt. alld. on 95 lbs. or over lb. .09 - .10
l.c.l., same basis ..... lb. 10 - —
Bromide, NF, jars ..... lb. .94 - .98
Carbide, standard generator size, dms., c.l., dlvd ton.134.40 - —
Carbonate, nat., dry-grd., air floated., 325 mesh, bgs., c.l., works ton. 7.50 -10.00
chalk, whiting, 325 mesh, bgs. works ton 32.00 -34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton.30.00 - —
10 to 20 microns, bgs., c.l., works ton 17.00 -18.00
precip., dense, bgs., c.l., works. ton.32.50 - —
l.c.l., works ..... ton.42.50 - —
medium, bgs., c.l., works ton.38.00 - —
l.c.l., works ..... ton.48.00 - —
surface treated, bgs., c.l., works ton.37.50 - —
l.c.l., works ..... ton.47.50 - —
ultrafine, bgs., c.l., works. ton 110.00 160.00
l.c.l., works..... ton.120.00 -175.00

Calcium chloride, cryst., purif., dms lb. .27 - —
flake, 77-80%, paper bgs., c.l., works, frt. equald ... ton.29.00 - —
liquor, 40%, tanks, frt. equald. ton.12.35 - —
pellets, bgs., c.l., works....ton.35.40 - —
powd., bgs., c.l., works .....ton.39.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.27.50 - —
l.c.l., works, same basis. ton.34.00 -71.00
USP, gran., dms. ..... lb. .32 - —
Chromate, bgs., frt. equald .. lb. 29½- .30
Cyanide, dms., dlvd. E. of Rockies lb. .24 - .50
Cyclamate, 100-lb. fib. dms .... lb. 2.95 - —
Gluconate, AA, bbls., dms .... lb. .74 - .76
USP, bbls., dms ..... lb. .67 - .69
Hydride, dms., works..... lb. 2.15 - 3.00
Hydrochlorite, high test, cased (45 lbs.), dlvd. E. of Rockies. cs.22.60 -24.75
dms., 100-lb., same basis.dm.28.65 -32.50
Hypophosphite, dms., ton lots or less lb .90 - .93
Iodide, jars ..... lb. 4.52 - —
Lactate, NF, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb 41 - 48
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca., dms., frt. equald lb. .27¼- —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton.46.00 - —
tech., dms., works..... lb. .13 - —

Calcium panfothenate, jars, 100-gram lots or more, frt. adjusted. gram. .06 - —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms.....lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., frt. equald..100 lbs. 7.75 - —
l.c.l., frt. equald..100 lbs. 8.50 - —
feed grade, 18½% P, bgs., c.l., t.l., frt. equald..ton.74.00 - —
l.c.l., frt. equald..ton.79.00 - —
20% P, bgs., c.l., t.l., frt. equald..ton.84.55 - —
l.c.l., frt. equald..ton.96.00 - —
21% P, bgs., c.l., t.l., frt. equald..ton.84.00 - —
l.c.l., frt. equald..ton.89.00 - —
monobasic, bgs., 10,000-lb. lots, frt. equald..100 lbs. 6.90 - —
smaller lots, same basis, 100 lbs. 7.40 - —
tribasic, NF, precip., bgs., c.l., frt. equald..100 lbs. 8.25 - —
l.c.l., frt. equald..100 lbs. 9.00 - —
Phytate, bgs., works..... lb. .50 - —
Resinate, precip., dms., frt. alld., works lb. .30½- —
Silicate, hydrated, bgs., c.l., works. lb. .06 - —
l.c.l., works ..... lb. .06½- —
paint grade (see Wollastonite).
Stearate, ctns., c.l..... lb. .37 - —
l.c.l. ..... lb. .38 - .42
Sulfate (see Gypsum).
Calomel, USP, powd., dms..... lb. 5.42 - —
Camphene 46° m.p., dms., incl., c.l., works lb. .15 - —
l.c.l., same basis..... lb. .16½- —
tanks, same basis..... lb. .12½- —
Chlorinated, 67-69% (see Toxaphene).

Camphor, monobromated, NF, dms., kgs. lb. 3.25 - 3.67
nat., USP, powd., cs., 100-lb. lots. lb. .83 - —
tablets, 1-oz., ½-oz. cs....lb. .85 - —
syn., tech., 1 bbl. or more.... lb. .52 - —
USP, gran., powd., bbls., 2,000-lb. lots. lb. .59 - —
1,000-lb. lots..... lb. .60 - —
smaller lots..... lb. .61 - —
tablets, tins, 2,000-lb. lots. lb. .90 - —
1,000-lb. lots ..... lb. .91 - —
smaller lots ..... lb. .92 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs..... lb. 2.00 - 2.05
powd., bxs..... lb. 2.25 - 2.30
Russian, bgs..... lb. 4.00 - 4.05
powd., bxs..... lb. 4.35 - 4.40
Capsicum (see Pepper red).
Oleoresin, NF, from domestic pepper, dms. lb. 4.50 - 5.25
from African pepper, dms....lb. 4.35 - 5.00
Caraway seed, Dutch, bgs..... lb. .16¾- .17½
Carbazole, 97%, bbls., ton lots, works lb. 1.05 - —
Carbon dioxide, indust., wholesale, bulk, dlvd. metropolitan area. ton.73.00 -115.00
cyls., same basis..... lb. .08 - —
solid, same basis..... lb. .035 - .040
Disulfide, 55-gal. dms., c.l., works, frt. equald. to competitive points lb. .07 - —
l.c.l., same basis ..... lb. .08½- .09
5-gal. dms., 30 dms. to c.l., same basis lb. .13 - —
less than 30 dms..... lb. .16 - —
tanks, dlvd ..... lb. .0525- —
Tetrachloride, CP, consumers dms., c.l., l.c.l., frt. alld..... lb. .11½- .13¾
tech., consumers, dms., c.l., E. Rockies, frt. alld. lb. .10½- —
W. of Rockies, f.o.b. stockpoints lb. .11 - —
l.c.l., E. of Rockies, frt. alld. lb. .12¾- —
W. of Rockies, f.o.b. stockpoints lb. .13¼- —
tanks, E. of Rockies, frt. alld. lb. .09½- —
W. of Rockies, f.o.b. stockpoints lb. .10 - —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works. lb. 4.00 - 4.25
smaller lots, works..... lb. 4.10 - 4.75
Cardamom seed, bleached, "A"..lb. 3.20 - —
"B"..... lb. 3.10 - —
decorticated, Ceylon, cs..... lb. 1.95 - —
Guatemalan, cs ..... lb. 2.95 - —
green, Ceylon, bgs..... lb. 2.00 - —
Carmine, No. 40, NF, bulk, 100-lb. lots or more, dlvd. lb.14.40 - —
smaller lots, dlvd..... lb.14.50 -15.20
Carotene, tech., 1,350,000 A units per gram, tins, 5-10 kilo lots, dlvd gram. .38 - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works. million units. .12 - —
Microcrystalline in oil, 400,000 A units per gram, dms., dlvd. million units. .26 - —
b-Carotene, pure, crystalline, 1,600,000 A units to 1,670,000 per gram., cns .... gram. .40 - —
in vegetable oil, 400,000 A units per gram, cns. gram. .096 - —
Carvol, bots..... lb. 4.50 - 8.00
Cascara sagrada bark, bulk..... lb. .30 - .31
Casein, dom., acid precip., standard, bgs., 10,000-lb. lots or more, shipt. point lb. .30 - .31
premium, bgs., 10,000-lb. lots or more, shipt. point lb. .35 - .40
imp., Argentine, acid-precip., grd., bgs., c.l., duty paid..lb. .31½- .33
New Zealand, same basis..... lb. .34 Nom.
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J..lb. .22 - —
ton lots, same basis .. lb. .23 - —
dm. lots, same basis.. lb. .25 - —
Cassia, Batavia, cuttings, bls.....lb. .18 - —
longstick, cracked, bls.....lb. .20 - —
shortstick, cracked, bls.....lb. .19 - —
Corinje, bls. ..... lb. .21 - —
Castor beans, bgs., f.o.b. Brazil... ton.123.00 -125.00
Oil (see Oil, castor).
Pomace, bgs., c.l., works....ton.40.00 - —
Castoreum, nat., ens..... lb. 5.00 -30.00
syn., ens..... lb. 2.00 - —
Catechol, CP, cryst., fib. dms., works. lb. 2.17½- —
resub., dms., works..... lb. 4.29½- —
Catnip leaves, Southern, bls....lb. .75 - —
Celery seed, French, bgs..... lb. .28 - .29
Indian, bgs..... lb. .16 - —
Cellulose acetate, flake, powd., ctns., bgs., 100-lb. lots or more, dlvd. E lb. .35 - .46
Acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E. lb. .545 - .555
27% butyryl content, bgs., dlvd. E lb. .595 - .605
38% butyryl content, bgs., dlvd. E lb. .545 - .555
50% butyryl content, bgs., dlvd E lb. .585 - .595
half-second, bgs., dlvd. E. lb. .545 - .555
Scrap (see Pyroxylin scrap).
Cerium chloride, dms., dlvd..... lb. .35 - —
Hydrate, 74% CeO_2, fib. dms., 100-lb. lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Oxalate, NF, bbls., bgs., works. lb. 1.32 - —
Oxide, optical grade, bgs., 50-lb. lots or more, dlvd. lb. 1.85 - 1.98
smaller lots, dlvd .... lb. 2.03 - 2.23
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, cs lb. .85 - —
Roman, cs..... lb. 1.50 - —
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works ..... lb. .2[illegible] - .32¼
smaller lots works ... lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bulk, c.l., f.o.b. plant..... ton.72.00 -75.00
40-lb. paper bgs., same basis. ton.76.00 - —
Pinewood, gran., bgs., c.l., works, South ton.57.00 - —
l.c.l., works, South ton.57.00 -67.00
lump, bgs., c.l., works, South. ton.53.50 - —
l.c.l., works, South ... ton.56.50 -71.00
bulk, c.l., works, South...ton.36.00 - —
t.l., works, South..... ton.41.00 - —
Chestnut extract, liq., 25% tannin, tanks, works lb. .04 - —
powd., 60% tannin, bgs., extra, c.l., works lb. .1032- —
l.c.l. works lb. .1102- —
Chloral, tech., 94% min., dms., c.l., multiple units, 5 cars, works, l.c.l. works ..... lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.00 - —
500-lb. lots ..... lb. 1.03 - —
100-lb. lots or less lb. 1.05 - —
Chloramine T, NF, bbls., works..lb. .75 - 1.00



Every USS Steel Drum goes through three careful steps to make certain your product arrives at your customer's door as pure as it left your plant.

All surfaces of the drum body, head, and bottom are completely descaled, then purged with a strong alkali solution, removing all traces of dirt and grease. With the interior and exterior now immaculately clean, the drum is ready for a thorough coating with a special phosphate formula that means long-term freedom from rust. Each of these steps is vitally important to quality-controlled shipping. They mean that nothing will happen to your product during shipment or storage that could nullify the results of your own rigid quality control measures during manufacture.

USS Steel Drums are available in sizes from 2½ to 110 gallons, either plain or decorated. If yours is a special case . . . we have a wide variety of fittings and openings that are sure to meet your individual requirements.

"It's Better to Ship in Steel"

UNITED STATES STEEL PRODUCTS
DIVISION
UNITED STATES STEEL CORPORATION
DEPT. 516, 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
Los Angeles and Alameda, Calif. • Port Arthur, Texas
Chicago, Ill. • New Orleans, La. • Sharon, Pa. • Camden, N. J.

SEE The United States Steel Hour. It's a full-hour TV program presented every other week by United States Steel. Consult your local newspaper for time and station.

USS STEEL DRUMS

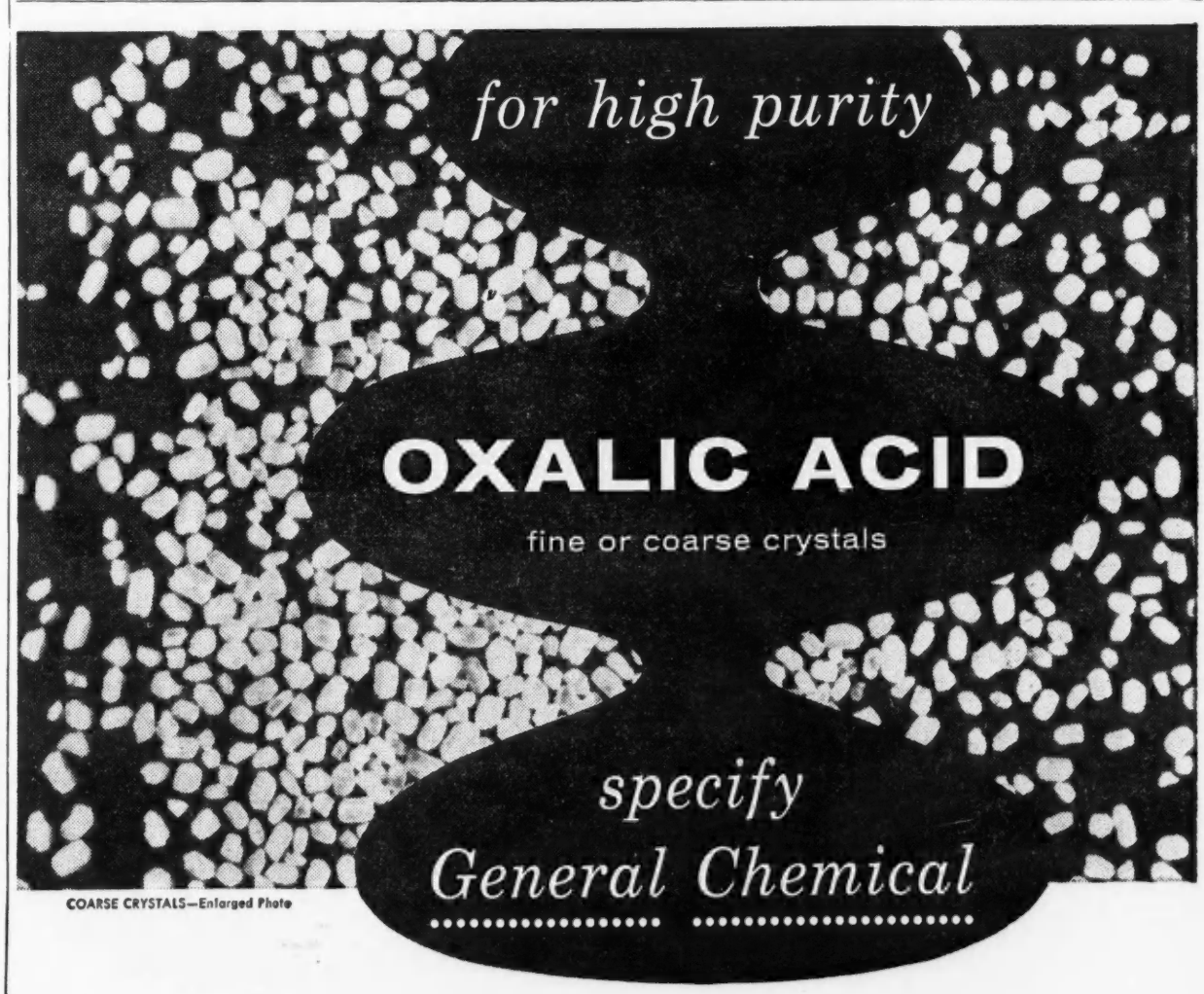
UNITED STATES STEEL

Chlordan, agricultural, dms., c.l., frt. alld	lb.	.63	—
l.c.l., 5,000 to 10,000-lb. lots, frt alld	lb.	.66	—
clarif., dms., c.l., frt. alld	lb.	.69	—
l.c.l., 5,000 to 10,000-lb. lots, frt. alld	lb.	.70	—
Chlorinated paraffin, 42%, dms., c.l., frt. alld	lb.	.15½-	—
l.c.l., same basis	lb.	.16½-	—
70%, dms., c.l., same basis	lb.	.18	—
l.c.l., same basis	lb.	.19	—
rubber, 5, 10, 20 cps., ctns., c.l., works	lb.	.55	—
l.c.l., works	lb.	.56	—
125, 1,000 cps., ctns., c.l., works	lb.	.65	—
l.c.l., works	lb.	.66	—
Chlorine, liq., cyls., c.l., works, frt. equald	lb.	.10¼-	—
l.c.l., Metropolitan area	lb.	.11¾-	.13
tanks, single units, works, frt. equald 100 lbs.		3.05	—
multiple units, 5 cars, works, frt. equald 100 lbs.		3.92	—
3 cars, same basis 100 lbs.		4.12	—
2 cars, same basis 100 lbs.		5.12	—
1 car, same basis 100 lbs.		7.12	—
4-Chloro-2-aminotoluene, fused, bbls.	lb.	1.45	—
m-Chloroaniline, dms., c.l., frt. equald	lb.	.75	—
l.c.l., same basis	lb.	.80	—
o-Chloroaniline, dms., c.l., works, frt. equald	lb.	.70	—
l.c.l., same basis	lb.	.72	—
p-Chloroaniline, dms., c.l., works, frt. equald	lb.	.75	—
o-Chlorobenzaldehyde, dms., t.l., works	lb.	1.05	—
l.t.l., works	lb.	1.20	—
p-Chlorobenzaldehyde, dms., c.l., works	lb.	1.95	- 2.00
l.c.l., same basis	lb.	.77	—
Chloroform, tech., dms., c.l., dlvd. E	lb.	.18	—
l.c.l., same basis	lb.	.19	—
tanks, same basis	lb.	.17	—
USP, dms	lb.	.30	—
2-Chloro-4-nitroaniline, paste, dlvd. E., 100% basis	lb.	.81	—
powd., dlvd. E., 100% basis	lb.	.86	—
4-Chloro-2-nitroaniline, powd., dlvd. E	lb.	.80	—
o-Chlorophenol, dms., c.l., frt. equald.	lb.	.35½-	—
l.c.l., same basis	lb.	.36½-	—
p-Chlorophenol, dms., c.l., frt. equald.	lb.	.35½-	—
l.c.l. same basis	lb.	.36½-	—
Chlorophyll, oil-soluble, not fixed, 4%, pails, tins, works	lb.	4.25	—
copper fixed, 6½%, tins, pails, works	lb.	4.23	—
dms., pails, works	lb.	3.75	—
8%, pails, dms., works	lb.	4.00	- 4.80
14%, dms. works	lb.	8.90	—
conc., dom., 50%, dms., works, 100% basis	lb.	42.00	—
75%, dms., works, 100% basis	lb.	45.00	—
90%-100%, dms., works, 100% basis	lb.	45.00	—
imp., 60%, tins, 100% basis.	lb.	58.00	—
75%, tins, 100% basis	lb.	58.00	—
90%, tins, 100% basis	lb.	58.00	—
Chloropicrin, coml., bots	lb.	1.50	—
cyls., 180 lbs., frt. alld	lb.	.95	—
100 lbs., same basis	lb.	.97	—
25 lbs., same basis	lb.	1.22	—
Cholesterol, USP fib. dms., 100-lb. lots	lb.	6.85	- 9.00
Choline bitartrate, fib. dms., frt. adjusted	lb.	1.25	- 1.35
Chloride, fib. dms., frt. adjusted.	lb.	1.25	- 1.35
Dihydrogen citrate, fib. dms., frt. adjusted	lb.	1.25	- 1.35
Chromium acetate, soln., 7½%, bbls., works	lb.	.09½-	—
cbys., works	lb.	.11¼-	—
Fluoride, bbls., works	lb.	.51	- .52
Green (see Green, chrome).			
Oxide (see Green chromium oxide).			
Trioxide, NF, bots	lb.	.82	- .89
Yellow (see Yellow chrome).			
Cinchona bark, NF, red, broken, bgs	lb.	.35	- .40
yellow broken, bgs	lb.	.35	- .40
Cinchonidine, cryst., cns., 100-oz. lots.	oz.	.65	—
Sulfate, cns., 100-oz. lots	oz.	.35	—
Cinchonine, cryst., cns., 100-oz. lots.	oz.	.52	- .57
Sulfate, NF, cns., 100-oz. lots	oz.	.27½-	.30½
Cinchophen, NF, heavy density, dms., frt. adjusted	lb.	3.70	- 4.05
standard density, dms., same basis	lb.	3.50	- 3.85
Cinchophen-sodium, dms., frt. adjusted	lb.	4.50	- 4.85
Cinnamic alcohol (see Alcohol cinnamic).			
Aldehyde, cns., dms.	lb.	1.00	- 1.30
Cinnamon, Ceylon, No. 2, bgs.	lb.	.62	—
"0000," bgs., afloat	lb.	Nom.	—
Citral bots., cns.	lb.	5.65	- 5.90
Citronellal, bots., dms.	lb.	3.10	—
Citronellol, bots., dms.	lb.	4.85	- 5.15
Civet, artif., bots	lb.	13.75	-15.00
nat., bots	oz.	7.50	-15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn.	ton.	19.50	—
crushed, shed moisture, bulk, c.l., Tenn	ton.	10.00	—
purif., bgs., c.l., Tenn	ton.	20.50	—
imp., airfloated, bgs., c.l., Atl. port	long ton.	42.00	-45.00
lump, bulk, Atl. port	long ton.	27.00	-30.20
China, dom., dry-grd., airfloat, 99%, 325 mesh, bgs., c.l., Georgia, works	ton.	10.00	—
l.c.l., Georgia, works.	ton.	15.50	—
300 mesh, bgs., c.l., Georgia, works	ton.	13.50	-14.50
l.c.l.	ton.	35.00	-36.00
imp., white, lump, bulk, c.l., ex dock, Phila., Portland, Me.	gross ton.	20.00	-35.00
powd., bgs., c.l., ex dock	net ton.	50.00	—
l.c.l., ex whse	net ton.	60.00	-65.00
Clove, Madagascar, bgs	lb.	.39	- .40
Zanzibar, bgs	lb.	.45½-	—
CMC, crude, 96%, low or medium vis., bgs., or fib. dms., 23,000 lbs., dlvd. E., 100% basis.	lb.	.37	—
less than 23,000 lbs., dlvd. E. 100% basis	lb.	.41	—
65%, low or medium vis., bgs., or fib. dms., c.l., dlvd. E., 100% basis	lb.	.37	—
l.c.l., dlvd. E., 100% basis.	lb.	.41	—
purif., high vis. (see Gum Cellulose).			
standard, low or medium vis., bgs., 23,000 lbs. or over, works, frt. alld	lb.	.55	—
smaller lots, same basis	lb.	.57	—
CMC prices W. of the Rockies are 2c. per lb. lower and are on a works basis.			
Coaltar, crude, resale for solns., dms., c.l., ex-whse	gal.	.255	—
l.c.l., ex-whse	gal.	.275	—
tanks, ex works	gal.	.155	- .159
refd., resale, dms., c.l., ex-whse.	gal.	.2650-	.32
l.c.l., ex-whse	gal.	.2850-	.34
tanks, ex-whse	gal.	.1650-	.1760

Cobalt acetate, 23.7%, bbls., dlvd.	lb.	1.30	—
Carbonate, 46% powd., bgs., dlvd.	lb.	2.15	—
Chloride, 24.2% Co., kgs., dlvd.,	lb.	1.20	—
Hydrate, 60-61% Co, bbls., dlvd.	lb.	2.72	—
Linoleate, fused, 8½% Co., dms.	lb.	.75¾-	—
liq., 6% Co., dms	lb.	.61	—
Metal, 97-99% kgs., ex whse	lb.	2.60	—
Naphthenate, liq., 6% Co., dms., dlvd	lb.	.48¼-	—
Nitrate, 20 1% Co, bbls., dlvd	lb.	1.00	—
Oxide, black, 72½-73½% Co., kgs.	lb.	1.96	—
70-71% Co., kgs	lb.	1.90	—
Phosphate, powd., 32.1% Co., ctns., kgs., dlvd	lb.	1.69	—
Resinate, fused, 3% Co., dms.	lb.	.29¾-	—
Sulfate, cryst., 21% Co., dms., dlvd	lb.	.89	—
monohydrated, 33% Co., dms. dlvd	lb.	1.40	—
Tallate, 6% Co., dms., dlvd	lb.	.43¾-	—
Cocaine, USP, cns., 100-oz. lots	oz.	17.80	—
Hydrochloride, cns., 100-oz. lots.	oz.	13.75	—
Cocillana bark, bgs	lb.	.40	- .50
Cocoa butter, bgs	lb.	.49	—
Codeine, NF, cns., 100-oz. lots	oz.	13.25	—
Hydrochloride, cns., 100-oz. lots.	oz.	11.75	—
Phosphate, USP, cns., 100-oz. lots.	oz.	10.25	—
Sulfate, USP, cns., 100-oz. lots	oz.	10.75	—
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls	lb.	.20	- .22
blue, bls	lb.	.20	- .22
Colchicine, USP, bots., cns.	oz.	33.50	-40.00
Colchicum root, bls	lb.	.45	- .55
seed, bgs	lb.	.75	- 1.00
Collodion, USP, dms	lb.	.32½-	—
flexible, dms	lb.	.34	—
Colocynth, pulp, bls	lb.	.25	- .30
Colombo root, bls	lb.	.15	- .16

Condurango bark, bales	lb.	.40	- .50
Copaiba balsam, cns., dms	lb.	.90	- 1.20
Copper acetate, bbls., c.l., works	lb.	.43	—
l.c.l., works	lb.	.44	—
Carbonate, 55%, bgs., c.l., works.	lb.	.3625-	—
l.c.l., works	lb.	.3775-	—
Chloride, anhyd., bbls., works	lb.	.43	- .46½
cryst., bbls., works	lb.	.32¾-	.33¼
Cyanide, tech., bbls., 20,000-lb. lots or more	lb.	.80½-	—
1,000-lb. lots or more	lb.	.81½-	—
smaller lots	lb.	.83½-	—
Gluconate, dms	lb.	3.15	- 3.30
Hydrate, dms., c.l., frt. alld. E. Miss	lb.	.55	—
l.c.l., same basis	lb.	.55½-	—
Metal, electrolytic, dlvd., Valley basis	lb.	.43	—
Naphthenate, liq., 8% Cu, dms., frt. alld	lb.	.24	—
Nitrate, tech., cryst., bbls., works.	lb.	.33¼-	—
Oleate, solid, 9% Cu, dms., works	lb.	.45	—
Oxide, black, bbls., 100-2,000 lb. lots, works	lb.	.64½-	—
red, 97%, USN Type I, 100-5,000 lb. lots, bbls.	lb.	.69½-	—
90%, USN Type II, bbls., 100-5,000 lots or more, works.	lb.	.67½-	—
Oxychloride, dms., c.l., works	lb.	.55	—
l.c.l., works	lb.	.55½-	.65½
Quinolinolate, fib. dms	lb.	4.25	- 4.50
Resinate, precip., dms., frt. alld	lb.	.31½-	—

Copper sulfate, CP, gran., bbls., works	lb.	.2180-	—
cryst., 99%, bgs., c.l., works.	100 lbs.	14.90	—
l.c.l., same basis	100 lbs.	15.40	-17.90
monohydrated, 35% dms., c.l., works	100 lbs.	24.00	—
l.c.l., works	100 lbs.	24.75	—
tribasic, dealers, bgs., c.l., works, frt. equald	100 lbs.	32.25	—
l.c.l., same basis	100 lbs.	33.25	-36.23
Undecylenate, dms	lb.	2.00	- 3.00
Copra, Atlantic, Gulf ports, c.i.f.	ton.	151.00	—
Pacific ports, c.i.f.	ton.	146.00	—
Coriander seed, Moroccan, bgs.	lb.	.10¼-	—
Roumanian, bgs.	lb.	.08	—
Yugoslavian, bgs.	lb.	.08¾-	.09
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min.	100 lbs.	7.11	—
l.c.l.	100 lbs.	7.26	—
Syrup, 42°, dms., c.l.	100 lbs.	7.08	—
l.c.l.	100 lbs.	7.23	—
Corrosive sublimate (see Mercuric chloride).			
Cortisone acetate, NNR, bulk	gram.	3.50	- 3.53
Cottonseed meal, 41%, bgs., Memphis	ton.	58.50	—
Cramp bark, NF bls	lb.	.65	.90
Coumarin, NF, cryst., dms.	lb.	3.20	- 3.45
Cream of tartar (see Potassium bitartrate).			
Creosote carbonate, NF, bots. cbys.	lb.	3.05	- 3.26
Coaltar, crude, tanks, works, frt. adjusted	gal.	.22	—
soln., 80%, tanks, works	gal.	.2068-	—
refd., dms., c.l., works	gal.	.40	- .42
l.c.l., same basis	gal.	.50	- .53
tanks, same basis	gal.	.30	- .33



COARSE CRYSTALS—Enlarged Photo

USES

For radiator cleaners and wood bleaches

For producing or processing leather and furs, textiles, dyes, pentaerythritol, plastics, drugs and chemicals

For laundry sours and rust removers

• • •

Available in convenient, easy-to-handle 100-lb. bags and 400-lb. fibre drums.

Allied Chemical

Basic Chemicals For American Industry

Outstanding for its purity and its crystal size, General Chemical's Oxalic Acid is the first choice of industrial users and repackers the country over, and for many good reasons. For example—

- Its closely sized, dust free crystals always have exceptional sparkle and "top quality" appearance.
- Its purity is unvarying, always meeting the same strict manufacturing specifications.
- It is made in fine and coarse crystal forms to meet every process and repackaging need.
- And, in addition, it is readily available from General Chemical distribution points in industrial centers from coast to coast.

That's a combination which means satisfied users year after year. So, for your Oxalic needs, do as so many other Oxalic buyers do. Just phone or mail your next order to the nearest General Chemical office listed below. You're sure to be pleased with the marked superiority of General's Oxalic on every count.

GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Offices: Albany • Atlanta • Baltimore • Birmingham • Boston • Bridgeport • Buffalo • Charlotte • Chicago Cleveland • Denver • Detroit • Greenville (Miss.) • Houston • Jacksonville • Kalamazoo • Los Angeles Milwaukee • Minneapolis • New York • Philadelphia • Pittsburgh • Providence • San Francisco • Seattle St. Louis • Yakima (Wash.)

In Canada: The Nichols Chemical Company, Ltd. • Montreal • Toronto • Vancouver

Creosote, Wood—1,2-Dihydroxy Anthraquinone

Creosote, wood, beechwood, cbys., dms. lb. 1.60 - 1.65
hardwood, NF, bots., cbys lb. 1.30 - 1.35
pinewood, dms., l.c.l., incl. lb. .0634- —
c.l., incl lb. .0561- —
tanks, works lb. .0460- —
N.Y. whse., dms., l.c.l. incl. lb. .0745- —
Cresol, tech., 50% below 204°C., dry above 207°C. wide distillation range, non-ret. dms., c.l., frt. equald lb. .1625- —
l.c.l., same basis lb. .1675- —
tanks, same basis lb. .145 - —
USP, non-ret., dms., c.l., same basis lb. .1775- —
l.c.l., same basis lb. .1825- —
tanks, same basis lb. .160 - —
m-Cresol, 95-98% dms., c.l., works lb. .60 - —
l.c.l. works lb. .61 - —
m-p-Cresol, 5-95%, 3°C., dms., c.l., frt. equald lb. .1775- —
l.c.l., same basis lb. .1825- —
tanks, same basis lb. .160 - —
2-97%, 2°C., dms., c.l., frt. equald. lb. .2175- —
l.c.l., same basis lb. .2225- —
tanks, same basis lb. .200 - —
o-Cresol, m.p. over 30°C., ret. dms., c.l. frt. equald lb. .173 - —
l.c.l., same basis lb. .176 - —
tanks, same basis lb. .16 - —
29°C., ret. dms., c.l., frt. equald. lb. .16 - —
l.c.l., same basis lb. 16½- —
tanks, same basis lb. .15 - —
25-29°C., dms., c.l., frt. equald. lb. .153 - —
l.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —

p-Cresol, 98%, dms., c.l., dlvd. lb. .50 - —
l.c.l., dlvd. lb. .51 - —
tanks, dlvd lb. .49 - —
Methyl ether, cns lb. 1.90 - 2.50
Crotonaldehyde, 91-93%, dms., l.c.l., works lb. .24¼- .25
Cryolite, nat., indust., bgs., c.l., works 100 lbs. 13.00 - —
l.c.l., works 100 lbs. 14.25 - —
Insecticide, dealers, bgs., c.l., dlvd 100 lbs. 16.75 - —
l.c.l., dlvd 100 lbs. 17.75 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .27 - .30
l.c.l., works lb. .28 - .31½
Cubeb berries, XX, NF, bgs lb. .60 - .65
powd., cs lb. .75 - .80
Cumene, dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .14½- —
Turkish, bgs. lb. .14½- —
Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. .08½- —
Cyanamide, fertilizer mixing grades, 21% N, gran., bgs., Niagara Falls, Ont., contract ton. 55.00 - —
pulv., 21% N, bgs., works, unit-ton 2.75 - —
Indust. grade, bgs., c.l. works ton. 75.00 - —
l.c.l., bgs., works ton. 96.00 - —
6-16 mesh, dms., c.l., works ton. 120.00 - —
l.c.l., works ton. 140.00 - —
Cyclohexane, 99% tech., dms., c.l., works gal. .70 - —
l.c.l., works gal. .72 - —
tanks, works gal. .55 - —

Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28½- .37¾
l.c.l., works, same basis lb. .30 - .38¼
tanks, works, same basis lb. .27 - .36¼
Cyclohexanone, tech., dms., c.l., works lb. .33½- —
l.c.l., works lb. .35 - —
tanks, works lb. .32 - —
Cyclohexylamine, dms., c.l., works. lb. .46½- —
l.c.l., works lb. .47½- —
tanks, works lb. .45 - —
Cyclopropane, CP, 2-lb. cyls., works. cyl. 48.00 - —
6 oz. cyls., works cyl. 12.00 - —
USP, hospitals, cyls., 40-gal. lots, gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2-4-D, tech., dms., c.l., works, frt. equald lb. .41½- —
l.c.l., same basis lb. .46½- .48½
Butyl ester, dms., c.l., works. lb. .43 - —
l.c.l., same basis lb. .48 - .50
Isopropyl ester, dms., c.l., works. lb. .43 - —
l.c.l., works lb. .48 - .50
Dandelion root, bls lb. .35 - .40
DDD, tech., flake, grd., fib. bgs., c.l., works lb. .45 - —
l.c.l., works lb. .46 - —
DDT powder, bgs., c.l., works, frt. equald lb. .27 - —
smaller lots, same basis lb. .29 - —
fib. dms., c.l., same basis lb. .28 - —
smaller lots, same basis lb. .30 - —
1-Decanol, tech., dms., c.l., dlvd lb. .41 - —
l.c.l., dlvd. lb. .43 - —
tanks, dlvd. lb. .38½- —

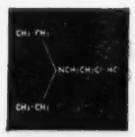
Deertongue leaves, bls lb. .45 - —
Defluorinated phosphate, feed grade, 13% P, paper bgs., c.l., t.l., works ton. 49.50 - —
14½% P, paper bgs., c.l., t.l., works ton. 48.00 - —
17% P, paper bgs., c.l., t.l., works ton. 56.00 - —
18% P, paper bgs., c.l., t.l., works ton. 62.10 - —
Degras, common, bbls lb .11 - .12
neutral, less 2% f.f.a., bbls lb. .21 - .22
over 2% f.f.a., bbls lb. .20 - .21
d-Desoxyephedrine hydrochloride bots lb. 25.00 - —
dl, bots. lb 6.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 9.15 - —
l.c.l. 100 lbs. 9.30 - —
canary, paper bgs., c.l. 100 lbs. 8.89 - —
l.c.l. 100 lbs. 9.04 - —
dark, paper bgs., c.l. 100 lbs. 8.99 - —
l.c.l. 100 lbs. 9.14 - —
white, paper bgs., c.l. 100 lbs. 8.73 - —
l.c.l. 100 lbs. 8.88 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs higher.
Potato, imported, bgs lb. .10½- .11
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 5.50
Di-sec-amyl phenol, dms., c.l., works lb. .30¾- —
l.c.l., works lb. .32¼- —
tanks, works lb. .28¾- —
Di-tert-amyl phenol, dms., c.l., works lb. .30¾- —
l.c.l., works lb. .32¼- —
tanks, works lb. .28¾- —
o-Dianisidine fib. dms lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works. lb. .89¾- .90
l.c.l., same basis lb. .90¼- .91
tanks, same basis lb. .86 - —
p-Dibromobenzene bgs., 500-lb. lots. lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd. E lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Sebacate, dms., c.l., works lb. .66 - —
l.c.l., works lb. .66½- .67
tanks, works, dlvd lb. .64 - .64½
Tartrate dms., works, frt. alld. lb. .64 - —
Dibutylamine, dms., c.l., dlvd lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
2,6-Di-tert-butyl-p-cresol, dms., c.l., dlvd. lb. .91 - —
l.c.l., dlvd. lb. .95 - —
Dicapryl phthalate, dms., c.l., dlvd., lb. .30½- .31¼
l.c.l., dlvd lb. .31½- .32¼
tanks, dlvd lb. .29½- —
Sebacate, dms., c.l., works lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
2,5-Dichloroaniline, dms., works lb. .83 - —
o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¼- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
p-Dichlorobenzene, dms., c.l., frt. alld. E lb. .14½- —
l.c.l., same basis lb. .17 - —
1,4-Dichlorobutane, dms., c.l. or t.l., works lb. .33½- —
l.c.l., or l.t.l., works lb. .34 - —
tanks, works lb. .32 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloropentanes, dist., dms., c.l., works lb. .05 - —
l.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works. lb. .51 - —
l.c.l., works lb. .51¾- —
tanks, works lb. .49¾- —
Dicyclohexyl phthalate, fib. dms., c.l., works, frt. alld lb. .58¼- .59
l.c.l. same basis lb. .59¼- .60
Dieldrin, dms., frt. alld lb. 1.80 - —
l.c.l., frt. alld lb. 1.85 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .24½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Ethanolamines, dms., c.l., dlvd. lb. .69 - —
l.c.l. dlvd lb. .70 - —
tanks, dlvd lb .67 - —
Oxalate, dms., c.l., frt. alld lb. .42 - —
l.c.l. same basis lb. .43 - .45
tanks same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd lb. .28 - —
tanks, dlvd lb. .25 - —
Sulfate, dms., c.l., works lb. .18¾- —
l.c.l., works lb. .19¼- —
tanks, works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50½- —
l.c.l., same basis lb. .51½- —
tanks same basis lb. .48½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .51 - —
l.c.l. same basis lb. .52 - —
tanks, same basis lb. .50 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd. E. lb. .17¼- —
l.c.l., same basis lb. .18¼- —
tanks, same basis lb. .15¼- —
Boriborate, dms., l.c.l. lb. .31 - —
Diethyl ether, dms., works lb. .47½- —
l.c.l., works lb. .48 - —
Monobutyl ether, dms., c.l., dlvd. E lb. .30¼- —
l.c.l., dlvd. E lb. .31¼- —
tanks, dlvd. E lb. .28¼- —
Acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½- —
tanks, dlvd. E lb. .28¼- —
Monoethyl ether, dms., c.l., dlvd. lb. .22 - —
l.c.l., dlvd lb. .23 - —
tanks, dlvd lb. .20 - —
Acetate, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
tanks, dlvd. E lb. .25¼- —
Monomethyl ether, dms., c.l., dlvd lb. .20½- —
l.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .18½- —
Diethylenetriamine, dms., c.l., dlvd. E lb. .43½- —
l.c.l. dlvd. E lb. .44½- —
tanks, dlvd. E lb. .41½- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo. 100.00 - —
1-kilo lot kilo. 110.00 - —
Digitalis leaves, USP, dom., dms., lb. .90 - 1.10
Digitoxin, USP, bots gram. 5.00 - 5.50
Diglycol laurate dms lb. .35 - .38
Stearate dms., ton lots lb. .25 - —
Dihexyl sebacate, dms., c.l., works. lb. .64 - —
l.c.l., works lb. .64½- .65
tanks, works lb. .62 - —
Dihydrazine sulfate, dms., works. lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .063 - .07
Sulfate, bulk gram. .063 - .07
1,2-Dihydroxy anthraquinone, dms., works lb. 2.75 - —

specially prepared

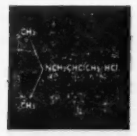
INDIVIDUALIZED INTERMEDIATES

DIALKYL AMINO ALKYL CHLORIDES provide a versatile group of intermediates for pharmaceutical synthesis. Continuously produced by Michigan Chemical Corporation for many years, individual members of this intermediates family provide manufacturers with a convenient method for introducing the dialkyl amino alkyl radical into organic nuclei to produce substituted amines, esters, and ethers. All are available in commercial quantities. Write for samples, technical data, and prices.

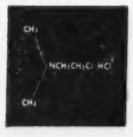
for pharmaceutical synthesis



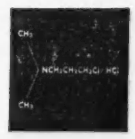
beta-Diethylaminoethyl Chloride Hydrochloride. (DEC). $(CH_3CH_2)_2$ NCH_2CH_2Cl. HCl. A granular solid. Specially suited for use as an intermediate in organic chemical manufacture, including the production of antispasmodic agents and other pharmaceuticals.



beta-Dimethylaminoisopropyl Chloride Hydrochloride. $(CH_3)_2$ $NCH_2CHClCH_3$. HCl. (DMIC). An organic intermediate similar in appearance and properties to DEC and DMC. Specially prepared for manufacture of analgesics and other pharmaceuticals. Other potential uses in organic synthesis.



beta-Dimethylaminoethyl Chloride Hydrochloride. (DMC). $(CH_3)_2$ NCH_2CH_2Cl. HCl. A granular solid. Specially prepared for use in manufacture of antihistaminics and other pharmaceuticals. Other potential uses in organic synthesis. Relatively non-toxic in hydrochloride form.



gamma-Dimethylaminopropyl Chloride Hydrochloride. $(CH_3)_2$ $NCH_2CH_2CH_2Cl$. HCl. (DMPC). A white powder of singular purity. A versatile intermediate for pharmaceutical and organic syntheses, available exclusively from Michigan Chemical.

Other widely used intermediates supplied by Michigan Chemical Corporation include Hydrobromic Acid, Methyl Bromide, Ethyl Bromide, Monobromobenzene, Trimethylene Chlorobromide, Phosphorous Tribromide and Cyclopentyl Bromide. Write for booklet "Individualized Intermediates."

MC*©

*Trademark

MICHIGAN CHEMICAL CORPORATION

504 Bankson Street, Saint Louis, Michigan C-55-1

EASTERN SALES OFFICE: 230 Park Avenue, New York 17, New York

BASIC MANUFACTURER OF INDUSTRIAL, PHARMACEUTICAL AND AGRICULTURAL CHEMICALS

2,2-Dihydroxy-5-5-dichloro-diphenylmethane, pure, dms	lb.	2.55	-	—
tech., dms	lb.	1.09	-	—
Di-isobutyl ketone, dms., c.l., dlvd.	lb.	.16	-	—
l.c.l., dlvd	lb.	.17	-	—
tanks, same basis	lb.	.14	-	—
Phthalate, dms., c.l., dlvd. E	lb.	.31	-	—
l.c.l. same basis	lb.	.32	-	—
tanks, same basis	lb.	.29	-	—
Di-isobutylene, dms., c.l., dlvd. E	lb.	.10	-	—
l.c.l., dlvd. E	lb.	.11	-	—
tanks, dlvd E	lb.	.08	-	—
Di-iso-octyl phthalate, dms., c.l., dlvd	lb.	.32½	-	—
l.c.l., same basis	lb.	.33½	-	—
tanks, same basis	lb.	.30½	-	—
Sebacate, dms., c.l., works	lb.	.63	-	—
l.c.l., works	lb.	.63½	-	.64
tanks, works	lb.	.61		—
Di-isopropanolamine, dms., c.l., dlvd.	lb.	.22¾	-	—
l.c.l., same basis	lb.	.23¾	-	—
tanks, same basis	lb.	.20¾	-	—
Di-isopropylamine, dms., c.l., dlvd. E. of Rockies	lb.	.50	-	—
l.c.l., same basis	lb.	.51	-	—
tanks, same basis	lb.	45	-	—
Dillseed, dewhiskered, bgs	lb.	.10	-	.10½
nat., bgs.	lb.	.09	-	—
Dimethyl antnranilate, cns.	lb.	5.25	-	5 75
Chloroacetal, dms., c.l., works	lb.	.45	-	—
l.c.l., works	lb.	.50	-	—
tanks, works	lb.	46	-	—
Ethanolamines, anhyd., dms., c.l., dlvd	lb.	1.43	-	—
l.c.l. dlvd	lb	1.45	-	—
tanks, dlvd	lb	1.40	-	—
70%, dms., c.l., dlvd., 100% basis, contained	lb.	.68	-	—
l.c.l., dlvd., 100% basis	lb.	.69	-	—
tanks, dlvd. 100% basis	lb.	.66	-	—
Hydroquinone, dms.	lb.	1.70		2.75
Phthalate, dms., c.l., works	lb.	.29½	-	—
l.c.l., works	lb.	.30½	-	—
tanks, dlvd	lb.	.27½	-	—
tanks, works	lb.	1.25	-	—
Sebacate, dms., c.l., works	lb.	1.27	-	—
l.c.l., works	lb.	1.28	-	—
Sulfate, 55-gal. ret. dms., c.l. works	lb.	.15	-	—
l.c.l. works	lb	.16	-	—
10-gal ret dms., l.c.l., works.	lb.	.16½	-	—
Dimethylamine, 25% soln., dms., c.l., frt equald	lb.	.42	-	—
l.c.l., frt equald	lb.	.42½	-	—
tanks, frt. equald	lb.	.33	-	—
40% soln. dms., c.l., frt. equald	lb.	.39	-	—
l.c.l., frt. equald	lb.	.39½	-	—
tanks, frt. equald	lb.	.33	-	—
N,N-Dimethylaniline, dms., c.l., frt. alld	lb.	.29½	-	—
l.c.l., frt. alld	lb.	.30½	-	—
tanks, frt. alld	lb.	.28½	-	—
N,N-Dimethylformamide dms., works.	lb.	.34	-	.39
tanks, works	lb.	.32	-	—
2,4-Dinitroaniline, dms., 1,000-lb. lots, frt. equald	lb.	.68	-	—
smaller lots	lb.	.71	-	—
m-Dinitrobenzene, 85°C., dms	lb.	.22	-	—
89°C., dms.	lb.	.24	-	—
2,4-Dinitrochlorobenzene, dms., c.l., frt. alld. E	lb.	.15¼	-	—
l.c.l., frt. alld E	lb.	.15¾	-	—
tanks, frt alld. E	lb.	.15	-	—
2,4-Dinitrophenol, bbls.	lb.	.37	-	—
2,4-Dinitrotoluene, oily, dms	lb.	.11	-	—
refd., 63 C., dms	lb.	.23	-	—
Dioctyl adipate dms., c.l., works.	lb.	.44½	-	—
l.c.l. works	lb.	.45½	-	—
tanks, works	lb.	.42½	-	—
Phthalate, dms., c.l., frt. alld	lb.	.32½	-	—
l.c.l., frt. alld	lb.	.33½	-	—
tanks, frt. alld	lb.	.30½	-	—
Sebacate, dms., c.l., works,	lb.	.60	-	—
l.c.l., works	lb.	.60½	-	.61
tanks, works, dlvd	lb.	.58	-	.58½
Di-o-tolylguanidine, dms., ton lots, frt. alld	lb.	.60	-	—
smaller lots, frt. alld	lb.	.61	-	—
1,4-Dioxane, dms., c.l., works	lb.	.28¾	-	—
l.c.l., same basis	lb.	.29¼	-	—
tanks, same basis	lb.	.27	-	—
Dip oil (see far acid oil).				
Dipentaerythritol, bgs., l.c.l., works.	lb.	.33	-	—
Dipentene, dest-dist., dms., c.l., works	gal.	.47	-	—
l.c.l., works	gal.	.52	-	—
ex-whse	gal.	.62	-	—
steam-dist., dms., c.l., works, South	gal.	.59	-	—
dlvd. N. Y.	gal.	.67	-	—
tanks works, South	gal.	.45	-	—
Diphenyl, bbls., c.l., works	lb.	.15	-	—
l.c.l., works	lb.	.16	-	—
Diphenyl in bags ¼c. lower.				
Oxide, perfume grade, cns	lb.	.54	-	.61
Phthalate, dms., c.l., works	lb.	.51¾	-	—
l.c.l., works	lb.	.53¾	-	—
Diphenylguanidine, bgs., dms., ton lots, frt. alld	lb.	.50	-	—
smaller lots, frt. alld	lb.	.51	-	—
Diphenylhydantoin-sodium USP, dms	lb.	5.30	-	5.60
Dipropylene glycol, dms., c.l., frt. alld	lb.	.17¼	-	—
l.c.l., same basis	lb.	.18¼	-	—
tanks, same basis	lb.	.15¼	-	—
Monomethyl ether, dms., c.l., dlvd. E	lb.	.20	-	—
l.c.l., same basis	lb.	.21	-	—
tanks, same basis	lb.	.18½	-	—
Divi-divi, 45% tannin, bgs., bls., c.l., U.S. ports, exdock	ton	70.00		72.00
Divinylbenzene 20-25% dms., c.l., works, frt. equald	lb.	.20	-	—
l.c.l., same basis	lb.	.21	-	—
tanks, same basis	lb.	.19	-	—
50-60%, dms., c.l., works, 100% basis	lb.	1.00	-	—
l.c.l., works, 100% basis	lb.	1.05	-	—
Dodecylbenzene, dms., c.l., frt. equald	lb.	.14	-	—
l.c.l., same basis	lb.	.15	-	—
tanks, same basis	lb.	.12	-	—

Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb. and 1-lb. lots, dlvd:—			
Blue, FD & C, No. 1	lb.	15.65	-17.60
No. 2	lb.	15.65	-17.60
Green, FD & C, No. 1	lb.	15.65	-17.60
No. 2	lb.	19.60	-22.85
No. 3	lb.	21.30	-35.90
Red, FD & C, No. 1, cns	lb.	5.90	- 7.85
No. 2	lb.	3.30	- 4.10
No. 3	lb.	19.60	-22.85
No. 4	lb.	5.55	- 7.50
Violet, FD & C, No. 1, cns	lb.	15.65	-17.60
Yellow, FD & C, No. 1, cns	lb.	9.15	-11.05
No. 5	lb.	3.30	- 4.10
No. 6	lb.	3.30	- 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—			
Black, D&C, No. 1	lb.	10.50	-10.95
Brown, D&C, No. 1	lb.	15.65	-16.10
Green, D&C, No. 5	lb.	15.65	-16.10
No. 6	lb.	15.65	-16.10
No. 7	lb.	14.35	-14.80
Orange, D&C, No. 3	lb.	10.50	-10.95
No. 4	lb.	19.60	-20.05
No. 5	lb.	5.25	- 5.70
No. 17	lb.	10.50	-10.95
No. 18	lb.	23.55	-24.00
No. 19	lb.	15.00	-15.45
No. 21	lb.	3.10	- 3.60
No. 22	lb.	10.50	-10.95
No. 28	lb.	24.20	-24.65
No. 33	lb.	17.00	-17.45

Dyes, coaltar, certified, colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—			
Violet,, D&C, No. 2	lb.	15.65	-16.10
Yellow, D&C, No. 7	lb.	10.50	-10.95
No. 8	lb.	10.50	-10.95
No. 10	lb.	13.05	-13.50
No. 11	lb.	13.05	-13.50
Dyes, coaltar, certified, colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—			
Blue, Ext., D&C, No. 1, cns	lb.	15.65	-16.10
Green, Ext., D&C, No. 1, cns	lb.	15.65	-16.10
Red, Ext., D&C, No. 1, cns	lb.	13.05	-13.50
Yellow, Ext., D&C, No. 1, cns	lb.	10.50	-10.95
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.			
20 Chrysoidine Y, dustless	lb.	.89	- —
27 Fast light, orange 2G	lb.	1.09	- —
31 Phloxine 2G	lb.	.89	- —
36 Yellow 2G	lb.	1.00	- —
40 Orange R extra, conc	lb.	1.29	- —
57 Fuchsine 6B	lb.	1.31	- —
79 Scarlet 2R	lb.	.98	- —
151 Orange AD	lb.	.67	- —
161 Orange RR	lb.	.80	- —
176 Fast red A	lb.	1.18	- —
179 Rubine XX, conc	lb.	1.25	- —
180 Blue F4B	lb.	1.11	- —
561 Brown B	lb.	2.45	- —
581 Black EB, 200%	lb.	1.13	- —
185 Brilliant scarlet 3RU, conc.	lb.	1.03	- —
202 Chrome blue black R, conc.	lb.	.91	- —
203 Chrome black T	lb.	.94	- —
208 Fast blue SR	lb.	1.10	- —
216 Chrome red B	lb.	.92	- —
234 Brown Y	lb.	1.08	- —
246 Blue black, extra, conc	lb.	1.16	- —

Dyes, coaltar, tor general use in cloth dyeing (numbers are those of the Colour index scale or prototype), contract dlvd. No			
275 Milling red 3R, conc	lb.	1.62	- —
289 Navy blue 3R, conc	lb.	1.44	- —
299 Black F, conc	lb.	1.86	- —
304 Neutral black 2B, conc.	lb.	2.43	- —
326 Fast scarlet 4BNC	lb.	1.80	- —
332 Bismark brown RX, conc., dustless	lb.	1.16	- —
365 Brilliant yellow, conc	lb.	3.11	- —
382 Scarlet B	lb.	2.20	- —
401 Diazo black BHD	lb.	.79	- —
406 Blue 2B, extra conc	lb.	1.30	- —
419 Red FC	lb.	1.23	- —
420 Brown M	lb.	1.19	- —
448 Red 4BX, conc	lb.	1.43	- —
518 Diamine sky blue FF, extra, conc	lb.	1.65	- —
593 Green BY, conc	lb.	.87	- —
596 Yellow Brown K, extra	lb.	1.08	- —
620 Yellow 2G	lb.	1.11	- —
639 Fast Yellow GG	lb.	1.97	- —
640 Yellow XX	lb.	1.95	- —
655 Yellow OX	lb.	2.24	- —
657 Green V	lb.	2.31	- —
662 Brilliant green G	lb.	3.07	- —
667 Milling green 6B, conc	lb.	4.05	- —
671 Blue EG	lb.	1.68	- —
681 Crystal violet powder	lb.	2.15	- —
698 Violet 6BN Powder	lb.	1.91	- —
720 Brilliant blue BBG	lb.	2.07	- —
729 Blue B, conc	lb.	3.06	- —
749 Red BX	lb.	4.76	- —
814 Yellow NN, conc	lb.	3.11	- —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.			
841 Safranine GF, extra, conc.	lb.	3.48	- —
865 Nigrosine J	lb.	.87	- —
922 Blue GXX	lb.	1.88	- —
978 Black GXCF, conc	lb.	.32	- —
1034 Alizarine red SC	lb.	2.85	- —
1054 Alizarine blue SAPX	lb.	3.20	- —
1078 Alizarine green CG, extra.	lb.	2.99	- —
1085 Alizarine blue black B	lb.	2.56	- —
1096 Golden orange GFD, single paste	lb.	2.19	- —
1099 Dark blue BO, single paste.	lb.	1.93	- —
1101 Jade green N, double paste.	lb.	1.10	- —
1106 Blue RS, double paste	lb.	3.26	- —
1113 Blue BLFD, double paste	lb.	2.48	- —
1150 Olive R, single paste	lb.	1.21	- —
1151 Brown R, single paste	lb.	1.94	- —
1171 Indigo synthetic, 20% paste.	lb.	.31	- —
1217 Orange RD, double powder.	lb.	3.94	- —
p-4 Brown PG	lb.	2.54	- —
p-14 Brown EB	lb.	1.83	- —
p-24 Gray L	lb.	1.76	- —
p-80 Diazo brilliant scarlet ROAD	lb.	3.07	- —
p-202 Diazo black VJ, conc	lb.	2.10	- —
p-244 Brilliant scarlet BN	lb.	1.44	- —
p-313 Naphthol SWF	lb.	2.03	- —

Mother's big helper is "soap"

Have you ever stopped to count how many different types of soaps and detergents you have in your house at one time? Today, "soap" is a specialist. Its new and improved properties, benefiting home and industry alike, are significant examples of applied chemical research.

Fast-moving soap makers depend on their lines of chemical supply. Sudden new chemical needs are as normal as doubling the use of a standard raw material. To anticipate and provide for these diverse requirements, Olin Mathieson offers a unique program of *coordinated planning and production*. This assures soap makers of the availability of chemical raw materials regardless of changing market conditions, development of new products, or requirements for plant expansions.

Right now, a growing number of chemical consumers are coordinating their planning and production with Olin Mathieson . . . America's prime producer of basic industrial chemicals. Olin Mathieson's long experience and familiarity with the broad market picture can prove invaluable in *your* planning. Why not consult with us . . . now?

3436

MATHIESON CHEMICALS
OLIN MATHIESON CHEMICAL CORPORATION
INDUSTRIAL CHEMICALS DIVISION • BALTIMORE 3, MD.

MATHIESON

INORGANIC CHEMICALS: Ammonia • Bicarbonate of Soda • Carbon Dioxide • Caustic Soda • Hydrazine and Derivatives • Hypochlorite Products Chlorine • Nitrate of Soda • Nitric Acid • Soda Ash • Sodium Chlorite Products • Sulphate of Alumina • Sulphur (Processed) • Sulphuric Acid
ORGANIC CHEMICALS: Ethylene Oxide • Ethylene Glycols • Polyethylene Glycols • Glycol Ether Solvents • Ethylene Dichloride • Dichloroethylether Formaldehyde • Methanol • Sodium Methylate • Hexamine • Ethylene Diamine • Polyamines • Ethanolamines • Trichlorophenol • Trichlorobenzene

Dyes, Coaltar—Fullers' Earth

Dyes, coaltar, oil soluble, 100 lb. dms., dlvd.
- 860 Induline base ZM lb. 1.07 - —
- Z2R lb. 1.07 - —
- Oil black ZBC lb. 4.46 - —
- ZBD lb. 3.03 - —
- ZHH lb. 4.61 - —
- ZMM lb. 6.52 - —
- Oil, blue ZN lb. 8.02 - —
- ZV lb. 4.95 - —
- 1078 Alizarine Cyanine Green base Z lb. 6.13 - —
- Oil, orange ZMG lb. 1.32 - —
- Oil, red Z-1700 lb. 1.49 - —
- Oil, Scarlet ZLB lb. 1.44 - —
- 1080 Oil, violet Z lb. 6.81 - —
- 1073 Oil, violet ZIRS lb. 6.13 - —
- Oil, Yellow ZG lb. 6.33 - —
- 800 Chinoline yellow ZSS lb. 2.67 - —

Dyes, coaltar, spirit soluble, 100 lb. dms., dlvd.
- Black ZRB lb. 2.95 - —
- Brown ZG lb. 5.30 - —
- Orange ZR lb 5.87 - —
- Red ZB lb. 6.41 - —
- Yellow ZR lb. 4.62 - —

E

Echinacea root, bls lb 1.10 - —
Egg albumin (see Albumin).
Yolk, dried, dom., bbls lb. 1.17 - 1.19
tanners, bbls. lb .06 - .06½
Elm bark, grinding, bls lb. .30 - .32
powd., bbls., bxs lb. .45 - —
select, bundles lb. .75 - —
Emetine hydrochloride, USP, bots oz. 42.50 - 44.00
Endrin, tech., dms., dlvd., 100% basis lb. 3.75 - —
Ephedrine, syn., USP, anhyd., bots., 100-oz. lots oz. .98 - 1.00
hydrous bots., 100-oz. lots oz. .92 - —
Hydrochloride, tins, 100-oz. lots, oz. .75 - —
Sulfate, cryst. tins, 100-oz. lots, oz. .72 - —
powd., tins 100-oz lots oz. 73 - —
Epichlorohydrin, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .36 - —
tanks, dlvd lb. .33 - —
Epinephrine, syn. USP bots., 100-gram lots gram .45 - .55
Epsom salt (see Magnesium sulfate).
Ergosterol, unirradiated, cryst kilo 150.00 - —
Ergot, NF, dms., tin-lined lb. 2.00 - —
Eserine salicylate, bots oz. 84.00 - —
Sulfate, bots oz. 84.00 - —
Ether (see specific product)
Ethyl acetate, nat., ferment., 85-88%, dms., c.l., frt. alld lb. .13½ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .11½ - —
95-98%, dms., c.l., frt. alld. lb. .13¾ - —
l.c.l., frt. alld lb. .14¾ - —
tanks, frt. alld lb. .11¾ - —
99%, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt alld lb. .12 - —
Ethyl acetate, syn., 85-88%, dms., c.l., dlvd lb. .13½ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .11½ - —
95-96%, dms., c.l., dlvd lb. .13¾ - —
l.c.l., dlvd lb. .14¾ - —
tanks, dlvd lb. .11¾ - —
99%, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12 - —
Acetoacetate, dms., c.l., dlvd lb. .58 - —
l.c.l., dlvd lb. .59 - —
tanks, dlvd lb. .56 - —
Acrylate, dms., c.l., t.l., dlvd. lb. .36 - —
t.l., dlvd lb. .37 - —
tanks, dlvd lb. .34 - —
Aminobenzoate, USP (see Benzocaine).
Bromide, tech., 98%, dms., c.l., frt. alld. E lb. .41 - .43
l.c.l., frt. alld. E lb. .43 - .45
Butyl ketone, dms., c.l., works lb. .35½ - —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Butyrate, works lb .80 - 1.02
Carbamate (see Urethane).
Cellulose vis. 7 cps. ngs., 5,000-lb. lots or more, works lb. .70 - —
smaller lots, works lb. .72 - .80
vis., 10, 20, 50, 100, 150 cps., ngs., 2,000-lb. lots or more, works lb. .65 - .70
smaller lots, works lb. .67 - .81
Chloride, tech., cyl., works .20 - .22
dms., works lb. .18 - .20
tanks, works lb. .10 - —
Cinnamate, cns lb. 2.71 - 3.45
Ether, absolute, ACS, dms lb. .27 - —
anesthesia, USP, hospitals, 1-lb. cns lb. 1.01 - —
½-lb. cns lb. 1.11 - —
¼-lb. cns lb. 1.21 - —
Indust., c.l., dlvd lb. .12 - —
l.c.l., dlvd. E. lb. .13 - —
tanks, dlvd. E. lb. .10 - —
Ethyl gallate, dms., 100 to 2,000-lb. lots lb. 3.90 - 4.40
Iodide, cbys., works lb. 3.30 - —
Methacrylate, dms., c.l. and less than truckload, works, frt. equald lb. .51½ - .52
Morphine hydrochloride, USP, bots oz. 11.85 - —
Nitrite (see Nitrous ether).
Oenanthate, dms. lb. 1.00 - 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., c.l., dlvd lb. .49 - —
l.c.l., dlvd lb. .50 - —
tanks, dlvd lb. .47 - —
Ethylethanolamines, mixed, dms., c.l., dlvd. E lb. .43½ - —
l.c.l., dlvd. E lb. .44½ - —
tanks, dlvd. E lb. .41½ - —
N-Ethyl-a-naphthylamine, dms., works, lb. 1.02 - —
N-Ethyl-o-toluidide, bbls. lb. .88 - —
Ethylamine (see Mono, Di- or Tri-)
N-Ethylaniline, dms., c.l., frt. alld. lb. .51 - —
l.c.l., frt. alld lb. .52 - —
tanks, frt alld lb. .50 - —
Ethylbenzene, 99%, dms., c.l. lb. .19½ - .20¼
l.c.l. lb. .20½ - .21¼
tanks lb. .18½ - —
Ethylene dichloride, dms. c.l., dlvd. lb. .10¼ - —
l.c.l., same basis lb. .12¼ - —
tanks, same basis lb. .09 - —
Ethylene dichloride prices W. of Rockies, 1c. per lb. higher.
Glycol, indust., dms., c.l., dlvd. E. lb. .15½ - —
l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .13½ - —
Monobutyl ether, dms., c.l., dlvd. E lb. .21½ - —
l.c.l., dlvd. E lb. .22½ - —
tanks, dlvd. E lb. .19½ - —
Monoethyl ether, dms., c.l., dlvd. E lb. .20½ - —
l.c.l., dlvd. E lb. .21½ - —
tanks, dlvd. E lb. .18½ - —
Acetate, dms., c.l., dlvd. E. lb. .18½ - —
l.c.l., dlvd. E lb. .19½ - —
tanks, dlvd. E lb. .16½ - —
Monomethyl ether, dms., c.l., dlvd. E lb. .20½ - —
l.c.l., dlvd. E lb. .21½ - —
tanks, dlvd. E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .28¾ - —
l.c.l., dlvd. E lb. .29¼ - —
tanks, dlvd. E lb. .27 - —
Monostearate, triple pressed, dms lb. .34 - —
Oxide, dms., c.l., dlvd. E lb. .21½ - —
l.c.l., dlvd. E lb. .24½ - —
tanks, dlvd. E lb. .15½ - —
Trichloride (see Trichloroethane).
Ethylenediamine, 85-88%, dms., c.l., dlvd. E., 100% basis lb. .46 - —
l.c.l., dlvd. E., 100% basis lb. .47 - —
tanks, dlvd. E., 100% basis lb. .44 - —
Ethylvanillin, cns., 25-lb. lots lb. 6.75 - 7.30
smaller lots lb 7.35 - 7.40
Eucalyptol, USP, cns., dms lb 1.40 - 1.50
Eugenol, USP, bots. lb. 2.20 - 3.25
Euphorbia herb, bls lb. .15 - .17

F

Feldspar, 140-200 mesh, bulk, c.l., works ton 18.50 - —
Feldspar in bags $3 per ton higher
Fennel seed, Argentine, bgs lb. .17½ - —
Czech, medium, bgs lb. .11½ - —
Indian, light, bgs lb. .11 - .11½
Roumanian, bgs. lb. .11 - —
Fenugreek seed, Indian, bgs lb. .08½ - .09
Moroccan, bgs. lb. .08½ - .09
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
soln., USP IX, cbys lb. .16 - —
djns. lb. 17 - —
Cacodylate, NF, bots lb. 13.00 - 14.00
Chloride, anhyd., tech., dms., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.85 - —
indust., cryst., bbls., c.l., works 100 lbs. 5.25 - 6.75
l.c.l., works 100 lbs. 5.75 - 7.25
42° Be, photo grade, cbys., c.l., works 100 lbs. 7.25 - 8.25
sewage grade, tanks, frt. equald, 100% basis. 100 lbs. 3.50 - —
USP cryst., dms., works lb. 07¼ - .09
Citrate, gran., dms. lb. .86 - —
Hypophosphite, NF, dms lb. 3.45 - —
Naphthenate, liq., 6% Fe., dms., frt. alld lb. .25¾ - —
Oxalate, gran., dms. lb. .85 - .97
Phosphate, NF, soluble, gran., pearls, cs lb. .64 - .65
Pyrophosphate, NF VII, soluble, gran., pearls, dms lb. .78 - .81
Resinate, 6¾% Fe, dms., frt. alld lb. .29½ - —
Stearate, dms., c.l., frt. alld lb. .37 - —
l.c.l., frt. alld lb. .38 - .42
Sulfate, partially hydrated, bgs., c.l., works ton 31.75 - 33.75
l.c.l., works ton 34.75 - 40.75
lb. .37 - —
Ferric-ammonium citrate, brown, NF, gran., dms lb. .60 - .63
green, USP XII, gran., dms lb. .60 - .63
Oxalate, fine gran., dms lb. .25½ - .28½
Ferric-potassium oxalate, fine gran., dms lb. .30½ - .33½
Ferric-sodium oxalate, fine gran., dms lb. .25½ - .28½
Ferrous gluconate, NF, dms lb. .94 - —
Sulfate, gran., bgs., c.l., works. ton 34.50 - —
l.c.l., dlvd. Metropolitan area 100 lbs 3.35 - 4.25
bbls., c.l., works ton 40.00 - —
bulk, c.l., works ton 27.00 - —
USP cryst., bbls., dms lb 09½ - .10
Fir, balsam, Canada, cns gal. 32.00 - —
Oregon, bbls. gal. 4.00 - —
Fishliver oil (see Oil fishliver).
Fishmeal, dom., menhaden, 60% protein grd., bgs., Chesapeake Bay area ton. 153.00 Nom.
Fishscrap, menhaden, dried, 60% protein, bgs., Chesapeake Bay area ton. 148.00 Nom.
Fleaseed (see Psyllium seed).
Formaldehyde, USP, 37% (inhibited), methanol, Zone 1, dms., c.l., dlvd lb. .0675 - —
l.c.l., works lb. .072 - .0725
tanks, dlvd lb. .04 - —
Zone 2, 12-15%, methanol, dms., c.l., dlvd lb. .071 - —
tanks, dlvd lb. .043 - —
Methanol-free (uninhibited), Zone 1, tanks, dlvd lb. .0375 - —
Zone 2, tanks, dlvd lb. .04 - —
Fringetree bark, bls lb. .60 - .61
Fullers' earth, bgs., c.l., Ill. mines, ton. 19.00 - —
powd., insecticide grade, dried, bgs., c.l., Ga. or Fla. mines ton. 17.50 - —
calcined, bgs., c.l., same basis ton. 20.00 - 21.75

Shopping for basic industrial chemicals?

MAKE REICHHOLD YOUR "SUPERMARKET"!

Creative Chemistry . . . Your Partner in Progress RCI REICHHOLD CHEMICALS, INC.
RCI Building, White Plains, N. Y.

Fullers' Earth, oil-bleaching, grade, 100-mesh, bgs., c.l., same basis, ton 16.50 - 17.00
200-mesh, bgs., c.l., same basis ton 17.50 - 18.00
spent, bgs., c.l., shipg. point ton 4.50 - 5.00
Furan dms., c.l. or t.l., works lb. .34½ - —
l.c.l., l.t.l., works lb. .35 - —
tanks, works lb. .33 - —
Furfural, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - —
tanks, dlvd E lb. .12 - —
dlvd. W lb. .13 - —
Fusel oil, refd., dms., c.l., dlvd lb. .22 - —
l.c.l., dlvd lb. .23 - —
tanks, dlvd lb. .20 - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½ - —
No. 2, bbls., l.c.l lb. .45½ - —
No. 3, bbls., l.c.l lb. .43½ - —
liq., No. 1, bbls., l.c.l. lb. .22½ - —
No. 2, bbls., l.c.l lb. 21½ - —
No. 3, bbls., l.c.l lb. .19 - —
solid, No. 1, bxs., l.c.l lb. .45 - —

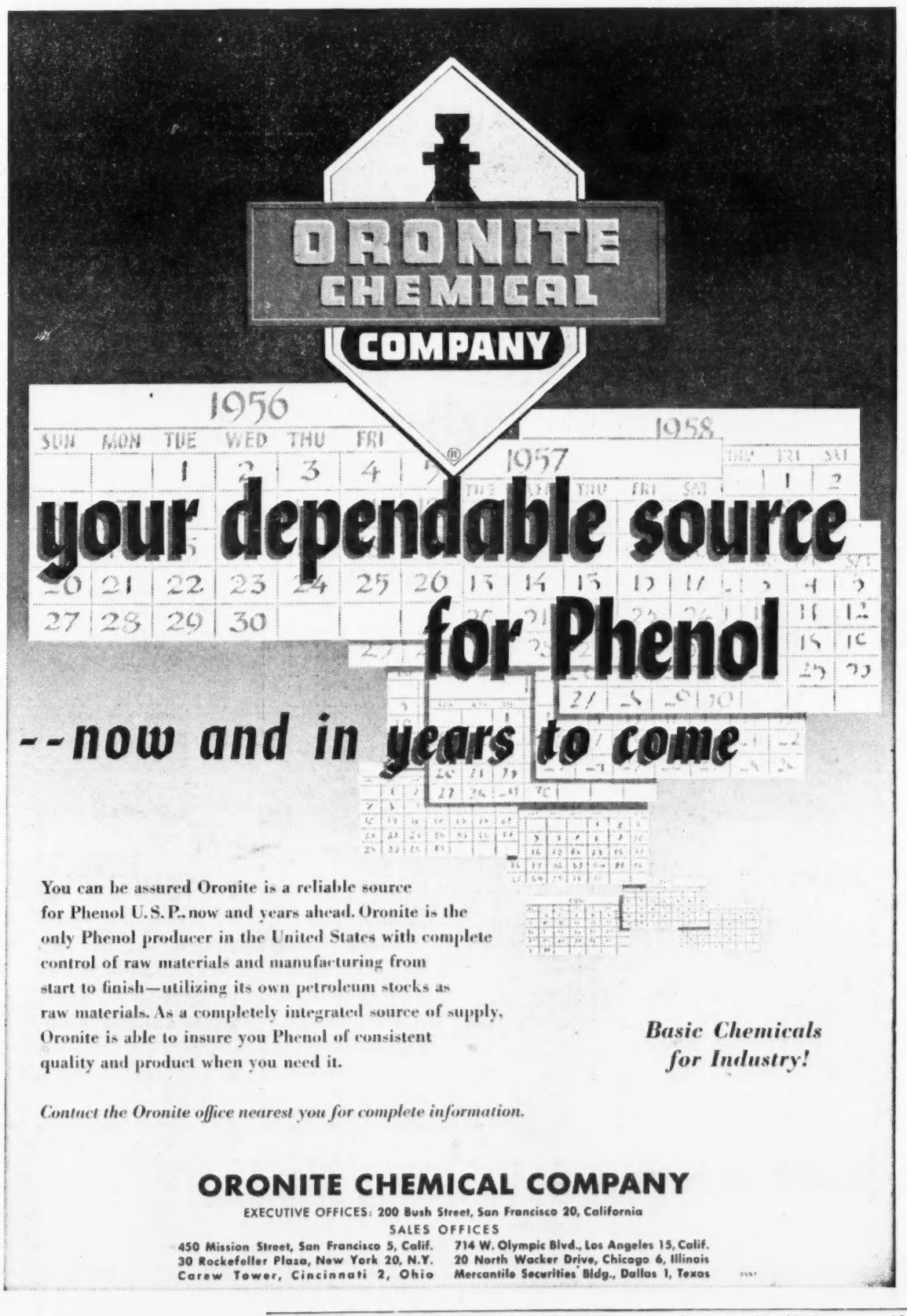
G

G salt, bbls., frt. alld, 100% basis lb. .73 - —
Gammapicoline (see g-Picoline)
Gelatin, edible, pure (pork skin), 75 Bloom test, bbl., c.l. lb. .53 - —
150 Bloom test, bbl., c.l. lb. .64 - —
200 Bloom test, bbl., c.l. lb. .71 - —
223 Bloom test, bbl., c.l. lb. .74 - —
275 Bloom test, bbl., c.l. lb. .81 - —
Gelsemium root, bls lb. .23 - .24
Gentian root, bls lb. .17 - .20
grd., bbls., bxs lb. .22 - .23
powd. bbls. bxs lb. .23 - .24
Geraniol, extra, cns., dms. lb. 4.35 - 4.80
standard, cns., dms. lb. 4.20 - —
Geranyl acetate, cns lb. 4.50 - 4.80
Ginger oleoresin, NF from African root, bots lb. 4.00 - 7.75
from Jamaican root, bots lb. 6.00 - 10.25
Root, African, bls. lb. .37 - —
Cochin, bgs. lb. .34 - .40
Jamaican, No. 2, bgs lb. .58 - —
No. 3, bgs. lb. .57 - —
Nigerian, split, bgs lb. .33 - —
Glauber's salt, anhyd (see Sodium sulfate).
Glue, bone, extracted, 86 jellygrams, bgs., c.l., dlvd lb. .15 - —
104 jellygrams, same basis lb. .17 - —
131 jellygrams, same basis lb. .18 - —
164 jellygrams, same basis lb. .20½ - —
191 jellygrams, same basis lb. .21 - —
222 jellygrams, same basis lb. .22 - —
packers 40 jellygrams, bgs., c.l., dlvd lb. .14 - —
65 jellygrams, same basis lb. .14½ - —
86 jellygrams, same basis lb. .15 - —
115 jellygrams, same basis lb. .15½ - —
135 jellygrams, same basis lb. .18½ - —
164 jellygrams, same basis lb. .19½ - —
renderers' 115 jellygrams, bgs., c.l., dlvd lb. .15 - —
Bone glue l.c.l., prices 1c higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .15 - —
95-121, bgs., c.l., dlvd lb. .16 - —
122-149, bgs., c.l., dlvd lb. .18½ - —
150-177, bgs., c.l., dlvd lb. .21 - —
178-206, bgs., c.l., dlvd lb. .23½ - —
178-206 bgs., c.l., dlvd lb. .23½ - —
207-236, bgs., c.l., dlvd lb. .26 - —
237-266, bgs., c.l., dlvd lb. .28 - —
267-298, bgs., c.l., dlvd lb. .30 - —
299-330, bgs., c.l., dlvd lb. .32 - —
331-362, bgs., c.l., dlvd lb. .34 - —
363-394, bgs., c.l., dlvd lb. .36 - —
395-427, bgs., c.l., dlvd lb. .38 - —
428-460, bgs., c.l., dlvd lb. .39 - —
461-494, bgs., c.l., dlvd lb. .40 - —
495-529, bgs., c.l., dlvd lb. .41 - —
Hide glue l.c.l. prices 1c higher.
Glycerine, nat., crude, saponification, 88%, to refineries, tanks, lb. .21 - —
soaplye, 80%, tanks lb. .19 - —
refd., BP, 98%, dms., c.l., dlvd. lb. .31½ - —
l.c.l., dlvd lb. .32 - —
tanks, dlvd lb. .30 - —
dynamite, dms., c.l., dlvd. lb. .31½ - —
l.c.l., dlvd lb. .32 - —
tanks, dlvd lb. .30 - —
high gravity, dms., c.l., dlvd. lb. .31½ - —
l.c.l., dlvd lb. .32 - —
tanks, dlvd lb. .30 - —
USP, CP, 95% dms., c.l., dlvd. lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .29 - —
yellow, dist., dms., c.l., dlvd. lb. .31 - —
l.c.l., dlvd lb. .31½ - —
syn., dms., c.l., dlvd lb. .31½ - —
l.c.l., dlvd lb. .32 - —
tanks, dlvd lb. .30 - —
Glycine (see Acid aminoacetic).
Glycerol (see Gylcerine).
Glyoxal, 30%, dms., c.l., works lb. .18½ - —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Golden seal root, NF, tested, bls. lb. 2.25 - 2.50
powd., bxs lb. 2.75 - 3.25
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .06 - .09½
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, white, choice, all hog, tanks, dlvd lb. .08 Nom.
not all hog, tanks, dlvd lb. .07¾ Nom.
yellow, tanks, dlvd lb. .07½ - .07⅝
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 5.10 - —
tungstated, PTMA, kgs., works. lb. 6.40 - —
Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis lb. .40 - —
16-30%, bbls., same basis lb. .40 - —
31-45%, bbls., same oasis. lb. .41 - —
45-49%, bbls., same basis lb. .44 - —
reduced color, 25%, bbls., same basis lb. .19 - —
Chrome green prices are ½c. higher, dlvd., at the following points, except as noted:—Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Chromium oxide, hydrated, dms., bbls., c.l., frt. alld. lb. 1.00 - 1.10
pure, bgs., c.l., frt. alld lb. .39¾ - —
l.c.l., same basis lb. .40¼ - —
Dyes (see Dyes, coaltar).

Green, malachite, straight, PTMA, bbls., works lb. 4.60 - —
Paris (see Paris green).
Phthalocyanine toner, bbls., works, lb. 3.95 - —
resinated, bbls lb. 3.50 - —
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
paste, kegs lb. .38 - —
Grindelia robusta herb. bls lb. .38 - .40
Guaiacol, NF, cryst., dms., tins lb. 2.10 - 2.15
liq., cbys., dms lb. 2.30 - 2.40
Carbonate, NF VII, dms lb. 3.40 - 3.45
Gum, aloe (see Aloe).
Arabic amber sorts, bgs lb. .22 - .23
powd., USP, bbls lb. .27 - .28
Asafetida (see A).
Asphaltum (see A).
Benzoin Sumatra, cs lb. .38 - .42
Camphor (see C).
Cellulose, high vis., bgs., 23,000-lb. lots or more, works, frt. alld lb. .55 - —
smaller lots same basis lb. .57 - —
Copal, Congo, No. 1, bgs lb. .23 - —
No. 2, bgs lb. .18½ - .20
No. 3, bgs lb. .16½ - 18
Manila C, bgs lb. .41 - 43
CBB, bgs lb. .37 Nom.
DBB, bgs lb. .31 - .33
DK, bgs lb. No Stocks
dust, bgs lb. .14 - 16
MA, soft, bgs lb. .23 - .25
WS, bgs lb. .34 - .36
Philippine pale, chips, bgs lb. .24 - .26
nubs, bgs lb. .34 - .36
seeds, bgs lb. .20 - .22
sorts, bgs lb. .22 - —
Pontianak, chips, bgs lb. .28 - —
nubs, bgs lb. .39 - .40
Gum, dammar, Batavia, A/E, cs lb. .27 - .29
dust, bgs lb. .16½ - .17½
E, bgs lb. .20 - .22
East India, batu, bold, bgs lb. .14 - .15½
nubs and chips, bgs lb. .08 - .09
black, bold, bgs lb. .14 - .16
unscraped, bgs lb. .11 - .13
nubs and chips, bgs lb. .11 - .13
pale, chips, bgs lb. .14½ - .15½
nubs, bgs lb. .18 - .19
Siam, cs lb. .39 - —
Singapore, No. 1, bgs lb. .47 - .49
No. 2, bbls lb. .29 - .30
No. 3 bbls lb. No stocks.
dust, bgs lb. .16½ - .17
seeds, bgs lb. .20 - .22
Ester, gum-rosin type dms., c.l., dlvd. Ill. Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio St Louis, St. Paul, Va., W. Va lb. .14½ - .16
wood-rosin type dms., c.l., same basis lb. .15 - .16
Guar, food grade, bgs., c.l. lb. .40 - —
tech. grade, bgs., c.l lb. .32 - —
Karaya, No. 1, NF, powd., bbls. lb. .55 - —
No. 2, powd., bbls. lb. .45 - —
No. 3, powd., bbls lb. .40 - —
Locust bean, powd., bgs lb. .28 - .30
Myrrh, cs. lb. .38 - .40
Opium (see Opium).
Olibanum siftings, cs lb. .15 - .20
tears, cs. lb. .22 - .30
Gum rosin (see Naval Stores, Protective Coatings Market)
Sterculia (see Gum Karaya).
Tragacanth, No. 1, ribbons, cs. lb 3.00 - 3.50
No 2, cs lb 2.55 - 2.60
No 3, cs lb 1.75 - 1.80
powd. USP, bbls lb. 1.25 - 1.35
Gypsum, plaster of paris, 100 lb paper bgs. trucks, dlvd N Y C ton 20.30 - —
terra alba, dom., paper bgs. same basis ton 20.00 - —
works, N. Y. C ton 17.00 - —
imp English 100 lb. paper bags ex dock N Y C ton 55.00 - —
ex warehouse ton 60.00 - 62.00

H

Hawthorn berries, bgs lb. .24 - .28
Heliotropin, cryst., cns lb. 4.05 - 4.50
Hellebore root, dom., green, bls lb. .70 - .75
Helonias root, bls lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bbls., l.c.l lb. .47 - —
No. 2, bbls., l.c.l lb. .43 - —
No. 3, bbls., l.c.l lb. .41 - —
No 4 bbls., l.c.l lb. .39 - —
No 5, bbls., l.c.l lb. .37 - —
paste, No. 1, bbls., l.c.l lb. .20½ - —
Henbane leaves, bls lb. .35 - .40


ORONITE
CHEMICAL
COMPANY
your dependable source
for Phenol
--now and in years to come
You can be assured Oronite is a reliable source for Phenol U.S.P., now and years ahead. Oronite is the only Phenol producer in the United States with complete control of raw materials and manufacturing from start to finish—utilizing its own petroleum stocks as raw materials. As a completely integrated source of supply, Oronite is able to insure you Phenol of consistent quality and product when you need it.
Basic Chemicals for Industry!
Contact the Oronite office nearest you for complete information.
ORONITE CHEMICAL COMPANY
EXECUTIVE OFFICES: 200 Bush Street, San Francisco 20, California
SALES OFFICES
450 Mission Street, San Francisco 5, Calif.
30 Rockefeller Plaza, New York 20, N.Y.
Carew Tower, Cincinnati 2, Ohio
714 W. Olympic Blvd., Los Angeles 15, Calif.
20 North Wacker Drive, Chicago 6, Illinois
Mercantile Securities Bldg., Dallas 1, Texas

Heptane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .14¾- —
Borger, Tex gal. .14¾- —
Hesperidin methylphalcone, bots., works lb.50.00 - —
Hexachlorophene, dms lb. 1.98 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or N.Y.C. lb. .222 - —
2,000-19,999-lb. lots, same basis lb. .232 - —
smaller lots, same basis lb. .242 - —
fib dms., 1,000-lb. lots or more, same basis lb. .239 - —
smaller lots, same basis lb. .249 - —
USP dms., 500-lb. lots or more, same basis lb. .40½- —
smaller lots, same basis lb. .41½- —
Hexane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15½- —
Borger, Tex gal. .15½- —
1-Hexanol, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tanks, works lb .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.00 - 7.50
Salicylate, dms lb 1.75 - —
Hexylene glycol, dms., c.l., dlvd lb. .16 - —
l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .14 - —
n-Hexyl methacrylate, dms., less than truckload works lb. .71 - —
Hexylresorcinol, USP, dms., 50-lb. lots or more, dlvd lb 14.00 - —
smaller lots, dlvd lb 14.50 - —
Histamine diphosphate, USP bots. kilo 400.00 - —
l-Histidine hydrochloride, NF, fib. dms., 50-kilo lots, works, kilo 80.00 - 85.00
1-5 kilo lots, works kilo 90.00 - 95.00
Homatropine hydrobromide, USP bots oz. 8.50 - —
Methylbromide, USP, bots oz. 5.65 - —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton 6.25 - —
Horehound herb, bls lb 16 - .19
Hydrastine, bots oz.29.50 - 31.00
Hydrochloride, NF, bots oz.29.50 - 31.00
Hydrastis (see Goldenseal).
Hydrazine free base, tet dms., Lake Charles, La lb 3.00 - 3.30
85% ret dms. same basis lb 1.35 - 1.55
Hydrate, 100%, ret. dms., Lake Charles, La lb. 1.60 - 1.90
Hydrocortisone acetate, bulk, bots., dms gram 4.75 - 5.00
Alcohol, bulk, bots., dms gram 4.75 - 5.00
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyls., c.l., works lb. .45 - —
l.c.l., works lb. .55 - .60
Fluoride anhyd., cyls., dlvd. E dlvd. W lb. .30½- .32½
tanks, works lb. .39 - —
Peroxide, USP, bbls., dlvd lb. .21 - —
35%, dms., c.l., dlvd lb. .033¾- .05
l.c.l., dlvd lb. .202 - —
tanks, dlvd lb. .211 - —
Hydroquinone, pnoto grade, bbls., dms lb. .1800- —
tech., dms., c.l., dlvd lb .98 - 1.00
l.c.l. same basis lb 77½ - —
Hydroxycitronellal, ens lb 79½ - —
Hyoscine salts (see Scopolamine). lb. 7.65 - 7.90
Hyoscyamine, bots oz.15.75 - 16.00
Hydrobromide, bots oz.11.00 - 12.00
Sulfate, bots oz.10.50 - 11.50
Hypernic extract, cryst., No. 2, bbls., l.c.l lb. .52 - —
liq., No. 1, bbls., l.c.l lb. .35 - —
No. 2, bbls., l.c.l lb. .27 - —

I

Ichthammol, NF, dms lb 60 - .75
Indian red (see Red, Indian).
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indole, CP, bots lb.17.00 - 21.00
Inositol, bots., dlvd lb. 5.00 - —
dms., dlvd lb 4.50 - 4.75
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb 1.45 - —
resub, USP, dms., jars lb 2.30 - 2.32
Iodochlorohydroxyquinoline, USP, dms lb 5.90 - —
Iodoform, NF, dms., kgs lb 4.90 - 5.00
a-Ionone, ens lb. 5.30 - 5.60
b-Ionone, cs lb 6.00 - 7.70
Methyl (see under M).
Ipecac root, bgs lb 8.00 - —
powd., bbls., bxs lb 9.00 - —
Irish moss, bleached, prime, bls lb. .28 - .34
Iron compounds (see Ferric or Ferrous).
Isoborneol, ens lb. 1.25 - 1.70
Isobornyl acetate, ens lb. 62 - .95
Formate, dms lb 80 - —
Propionate, dms lb 1.15 - 1.45
Isobutyl acetate, perfume grade, ens lb. 75 - 1.00
solvent grade dms., c.l., dlvd E. of Rockies lb. .13¾- —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .11¾- —
Isobutyraldehyde, CP, dms., c.l., dlvd lb. .27½- —
l.c.l., dlvd lb .28½- —
tech., dms., c.l., dlvd lb. .21½- —
l.c.l., dlvd lb. .22½- —
tanks, dlvd lb .19½- —
Isoeugenol ens lb. 4.40 - 4.75
Isoniazid powd., bulk, 25-kilo lots or more kilo 23.00 - 25.50
smaller lots kilo 24.00 - 26.00
Isopentane, comt. grade, tanks, f.o.b Tex refy gal. .15½- —
Isonicotinic acid hyarazide (see Isoniazid).
Isophorone, dms., c.l., works lb 24¼- —
l.c.l., works lb. 24¾- —
tanks, works lb 22½- —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., dlvd. lb. .12½- —
l.c.l., same basis lb. .13½- —
tanks, same basis lb. .10½- —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether, dms., c.l., dlvd lb .07 - —
l.c.l. dlvd lb .08 - —
tanks, dlvd lb .05 - —
Isopropyl-N-(3-chlorophenyl) carbamate, (CIPC), 70% in xylol, dms., c.l., t.l., works lb. 70 - —
l.c.l., works lb. .714 - .814
Isopropyl-N-phenyl carbamate, 450-lb. fib dms., c.l. t.l., works. lb 75 - —
l.c.l., works lb 80 - .90
Isopropylamine (see Mono, Di, or Tri-).
Isoquinoline, dms., works lb. .65 - 1.25

J

Jalap root, NF, bls lb. .45 - .55
powd., bbls., bxs lb. .55 - .65
Juniper berries, bgs lb 18 - .20
Tar, NF, dms lb 42 - .60

K

Kaolin (see also Clay, China).
NF, powd., fib. dms lb. .10 - .12
colloidal, fib. dms lb. .15½- .17½
Kola nuts, bgs lb. .15 - —

L

Lactose, edible, fib. dms., 30,000-lb. lots, works lb. .19½- —
2,000-lb. lots, works lb. .20¼- —
200-1,800-lb. lots, works lb. .20¾- —
Edible lactose in bgs. 1c. lower.
fermentation grade, bgs., c.l., works lb. .08½- —
USP, fib. dms., 30,000-lb. lots, works lb. .21½- —
2,000-lb. lots, works lb. .22¼- —
200-1,800-lb. lots, works lb. .22¾- —
USP lactose in bgs. 1c. lower.
Lady's slipper root, bls lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works lb. .28 - .30
USP, anhyd., dms., works lb. .26 - .28
hydrous, dms., works lb. .25 - .27
Lard, cash, dms., Chicago lb. .1090- —
Larkspur seed, bgs lb. .20 - .23
Laurel leaves, Greek, bls lb. .12 - —
Portuguese, bls lb. .11 - —
Turkey, bls lb. .25 - —
Yugoslavia, bls lb. .11 - —
n-Lauryl methacrylate, dms., c.l. or t.l., works lb. .65½- —
Lavender flowers, medium, bls lb. .75 - .80
ord., bls lb. .25 - .40
select., bls lb. .90 - —
Lead acetate, white, cryst., bbls lb. .22 - —
gran., bbls lb. .23 - —
powd., bbls lb. .23 - —
NF, cryst., gran., powd lb. .31 - .32
Arsenate, acid powder, dealers, 3-lb. bgs. or larger, c.l., frt. alld. on 96 lbs. or more lb. .27½- —
l.c.l., frt. alld lb. .28½- —
1-lb. bgs., c.l. lb. .41½- —
l.c.l. lb. .42½- —
Blue, basic sulfate, bbls., c.l., shipt. point, frt. alld lb. .17¼- —
l.c.l., same basis lb. .18¼- —
Carbonate (see Lead, white, basic Carbonate).
Chloride, dms lb. .45 - —
Iodide, NF, V jars lb. 3.52 - —
Linoleate fused, 26%% Pb, dms. lb. .33 - —
Metal, pigs, prime, N. Y lb. .16 - —
St. Louis lb. .1580- —
Metallic paste, dms., 20,000-40,000-lb. lots, works lb. .33¾- —
10,000-20,000-lb lots, same basis lb. .34¾- —
200-2,000-lb lots, same basis, lb. .35¼- —
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.
Monosilicate, bgs., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .2075- —
Naphthenate, liq. 16% Pb, dms., dlvd lb. .17 - —
24% Pb, dms, dlvd lb. .21 - —
solid, 37% Pb., dms., dlvd lb. .27½- —
Nitrate, bbls lb. .22¼- —
Orthosilicate-silica gel, 50-60% PbO dms, works lb. .29¾- .34¼
Peroxide tech powd, bbls lb. .38¼ .40¼
Phthalate, dibasic, dms works lb. .41 - —
Red, 95% Pb_3O_4, or less, bbls., c.l., works, frt. alld lb. .18½- —
l.c.l., same basis lb. .19 - —
97% Pb_3O_4, bbls., c.l., same basis, lb. .18¾- —
l.c.l., same basis lb. .19¼- —
98% Pb_3O_4, bbls., cl., same basis, lb. .19 - —
l.c.l., same basis lb. .19½- —
Resinate, precip., 23% Pb, dms., dlvd lb. .32½- —
Salicylate, normal, dms., works. lb. .46 - —
Silicate (see Lead, white, basic, silicate)
Sulfate (see Lead, blue, basic sulfate Lead white basic sulfate).
Tallate, liq., 16% Pb, dms lb. .15 - —
24% Pb., dms lb. .18½- —
solid, 30% lb. .23¼- —
White, basic, carbonate, bgs., c.l., shipt. point, frt. alld lb. .19 - —
l.c.l., same basis lb. .20 - —
silicate, bgs., c.l. shipt. point, frt. alld lb. .17¼- —
l.c.l., same basis lb. .18¼- —
sulfate, bgs. c.l. shipt. point, frt. alld lb. .17¼- —
l.c.l., same basis lb. .18¼- —
dl-Leucine dms works lb 12.25 - 15.00
Licorice root, whole, bbls lb. .10 - .12
gran., bbls lb. .15 - .17
powd., bbls lb. .12 - .15
Lignosulfonate, 70% tannin, bgs., c.l. works lb. .06½- —
l.c.l., works lb .06¾- —
Lime, chemical (quicklime), bulk, c.l., metropolitan, N. Y. destination, freight equalized with nearest producing point ton.18.71 - —
Hydrated bulk c.l., same basis ton.20.21 - —
Spray, bgs., c.l., same basis ton.23.21 - —
Lime salts (see Calcium).
Lime-ammonium nitrogen 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose oil, dms. lb. 6.00 - 7.50
ex lignaloe wood oil, dms lb. 5.30 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms lb. 6.00 - 6.30
96-98% dms lb 6.75 7.15
ex petitgrain bots. lb. 5.95 6.70
Lindane, 25% formulation, dealers, dms works lb 1.58 - —
99%, tech. dealers dms. dlvd., lb 3.10 - —
Linden flowers with leaves, bls lb. 30 - —
without leaves bls lb 35 - —
Linseed meal, expeller, 32-34% bulk, Midwest, mills ton.62.50 - —
extracted 36% bulk same basis ton.57.00 - 57.50
Litharge, coml., powd., bbls., c.l., works, frt. equald lb. .17½- —
l.c.l., same basis lb. .18 - —
Lithium benzoate, dms lb. 1.65 - 1.67
Bromide, NF, dms., works, frt. equald lb. 2.30 - —
Carbonate, NF, dms., c.l., t.l., dlvd lb. 1.29½- —
ton lots to t.l., dlvd lb. 1.30 - —
tech., dms., c.l., t.l., dlvd., frt. alld., works lb. .82 - 1.10½
l.c.l., same basis lb. .85 - 1.11½
Lithium chloride, CP, anhyd., ton lots, lb. 1.28½- —
tech., anhyd., dms., c.l., t.l., dlvd., or works, frt. alld. lb. 1.00 - 1.05
l.c.l., same basis lb. 1.05 - 1.05½
Citrate, NF, dms lb. 1.60 - 1.64
Fluoride, bbls., 10,000-lb. lots, dlvd lb. 2.17½- —
ton lots, dlvd lb. 2.18½- —
less ton lots, dlvd lb. 2.23½- —
Hydride, powd., dms., 500-lb. lots, works lb.12.00 - —
Hydroxide, monohydrate, dms., c.l., t.l., dlvd. or works, frt. alld lb. .80 - .80½
l.c.l., same basis lb. .81 - .81½
Manganite, dms., works lb. .95 - 1.15
Nitrate, tech., dms., 100-lb. lots, lb. 1.25 - —
Salicylate, dms lb. 1.60 - 1.70
Silicate, dms., works lb. 1.10 - 1.30
Stearate, dms., c.l., works lb. .47½- —
ton lots, works lb. .48½- —
less-ton lots, works lb. .53½- —
Sulfate, dms., 100-lb. lots lb. 1.45 - —
Titanate, dms., works lb. 1.15 - 1.35
Lithopone, ord., bgs., c.l., dlvd lb. .07½- —
l.c.l., dlvd lb. .08¼- .08½
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Lobelia herb, bls lb. 1.50 - —
Lobeline sulfate, bots., works oz.37.50 - 39.00
Logwood extract, cryst., No. 1, bbls., l.c.l lb. .41 - —
No. 2, bbls., l.c.l lb. .39 - —
liq., No. 1, bbls., l.c.l lb. .20 - —
No. 2, bbls., l.c.l lb. .19 - —
No. 3, bbls., l.c.l lb. .18½- —
solid, No. 1, boxes, c.l. lb. .35 - —
Lycopodium, cs lb. 2.00 - 2.25
dl-Lysine hydrochloride, bots kilo.140.00 - 150.00

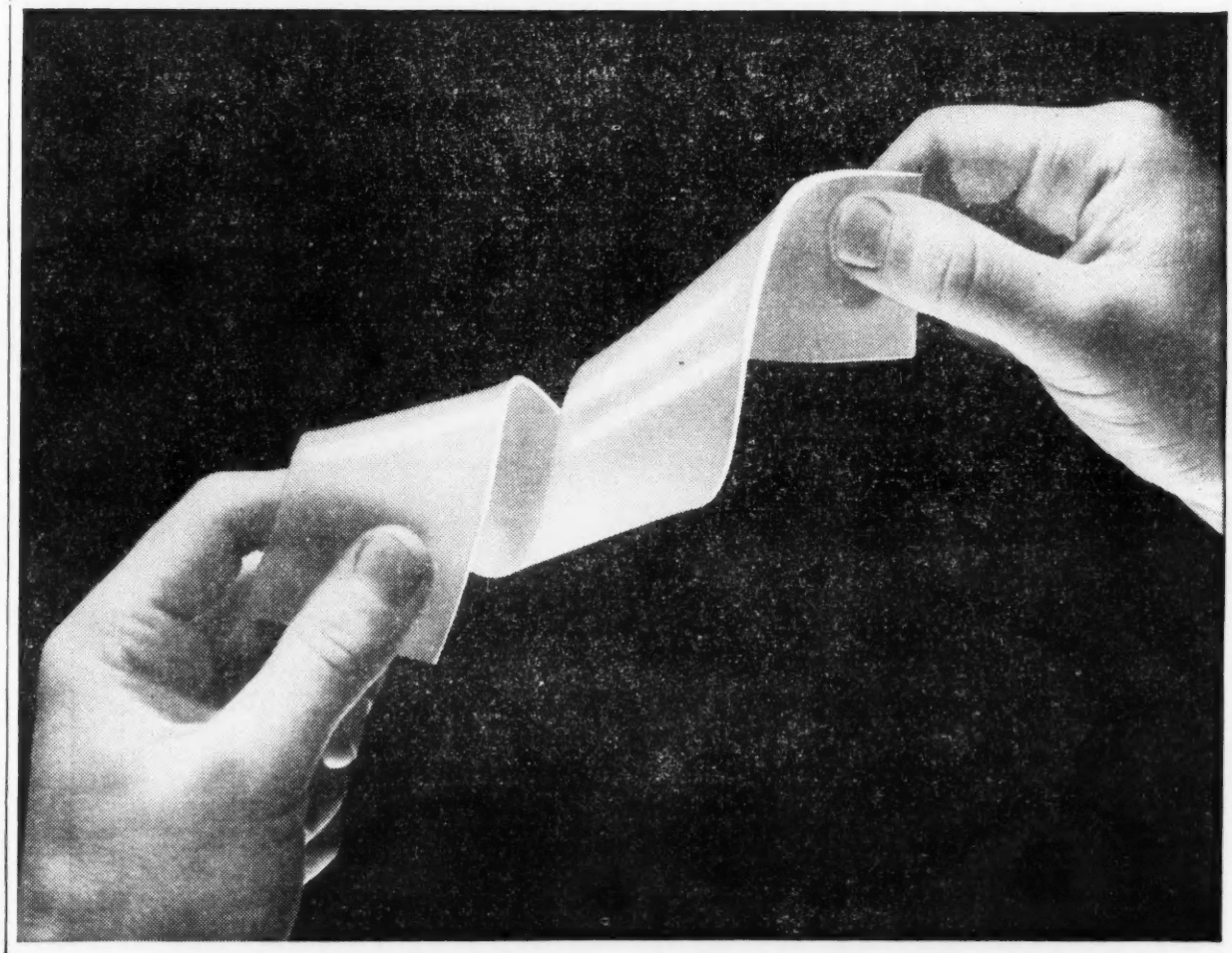
M

Mace, Siauw, siftings, bls lb. 2.35 - 2.75
West Indian, No. 1, bls. shipment lb. No prices.
Magnesia, calcined, tech., bgs., ctns., works lb. .25¼ 26
syn. rubber grade, light, bgs., c.l., works lb. .29¼- —
l.c.l., works lb. .30 - —
extra light, works lb. .29¼- .30
USP, light, ctns lb. .35 - .36
heavy, bbls lb. .45 - .52
Magnesite, chemical grade, calcined, powd., bgs. c.l., works, frt equald ton.82.50 - —
dead-burnt, standard grain, bulk, c.l., Chewalah Wash ton.38.00 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs. c.l., frt. equald lb. .10½- —
t.c.l., frt equald lb. .12 .13
truckloads, frt equald lb. .11 —
USP, bgs., c.l., frt. equald lb. .12½- —
t.l., frt. equald lb. .13 - —
c.l., frt equald lb. .14 .15
Above prices are quoted f.o.b. works, freight equalized with metropolitan New York and competitive producing points.
Chloride, anhyd., 92% flake or pebble, dms., c.l., works lb. .12¾- —
t.c.l., same basis lb. .14 .15
hydrous, 99% flake, bgs., c.l., works ton 50.00 —
t.c.l., works ton 55.00 -105.00
Gluconate, dms., ens lb. 1.34 - 1.41
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .26½- .30
Metal, 99.8% ingots, 10,000 lb. lots or more, works lb. .32½- —
pigs, 10,000-lb lots or more, works lb. .33¼- —
sticks, cs. works frt alld. on carlots lb. .49 - —
Oxide (see Magnesia, calcined).
Peroxide, 15% dms works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .10 - .11½
Sulfate, tech., bgs., c.l., works 100 lbs. 2.15 - —
t.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
t.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb. lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher
Malathion, dms., c.l., works lb. .90 - —
t.c.l., works lb. .92 - 1.02
Maleic anhydride dms, c.l., dlvd. E lb. .27 - —
t.c.l. dlvd E lb. .28 - —
tanks, dlvd E lb. .26 - —
Prices on maleic anhydride W. of Rockies, 1½c. higher.
Mandrake root, bls lb. .55 - .60
Manganese acetate, bbls, dlvd lb. .35 - —
Arsenate, bgs lb. .16 - —
Borate, tech., 6b dms lb. .25 - —
Carbonate, bbls., works lb. .22 - —
Chloride, anhyd., dms., works lb. .25½- —
Dioxide, African, 84-87%, 40,000 to 99,999-lb lots, burlap paper lined, bgs., gross for net, works ton.97.00 - —
paper bgs., works ton.93.50 - —
dms., works ton.101.50 - —
Prices for manganese dioxide in 10,000 to 40,000-lb lots $3 per ton higher.
Gluconate, dms. lb. 1.80 - 1.94
Hydrate, bbls, dlvd lb .36 - —
Hypophosphite, NF, dms lb. 3.52 - —
Linoleate, liq., 4.35% Mn., dms. lb. .32½- —
solid, precip, 8.2% Mn bbls lb. .37½- —
Naphthenate liq. 6% Mn., dms., frt. alld lb. .27 - —
Resinate, fused, 3½% Mn, dms. lb. .24 - —
precip 6½-7% Mn. dms lb. .28 - —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton.80.50 - —
t.c.l. dlvd. S. E ton.87.50 - —
Tallate 6%, dms lb. .24 - —
Mangrove bark, E. African, 38% tannin, c.l., ex dock ton.71.00 - —
So. American 30% tannin, c.l., tannin, c.l., ex dock ton.55.00 -58.00
Mannitol, coml., fib dms., c.l., works lb. .60 - —
single dm., works lb. .65 - —
ton-lots, works lb. .62 - —
MBT (see 2-Mercaptobenzothiazole)
MBTS (see Mercaptobenzothiazyl disulfide).
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb lots, works lb. .33½- —
smaller lots, works lb. .38½- —
Menadione, USP, bots. gram .044 .05
Menthol, nat., U.S., Brazilian, cs lb. 8.00 - 8.25
syn. USP racemic, ens lb. 4.95 - —
Menthyl salicylate, tins lb 4.00 4.25
2-Mercaptobenzothiazole, bgs., fib. dms., ton-lots, works, frt. alld lb. .40 - —
less ton lots, same basis lb. .42 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton-lots, works, frt. alld lb. .50 - —
less ton lots, same basis lb. .52 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 4.98 - —
gran., or powd., dms., 50-lb. lots or more lb. 4.78 - —
Cyanide, NF VIII, powd., fib. dms. lb. 6.84 - —
Iodide, red, NF, fib. dms lb. 7.72 - —
Oxide, red, NF, powd., fib. dms, lb. 5.90 - 6.01
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 6.14 - —
Mercurous chloride (see Calomel).
Iodide, yellow, NF lb. 7.72 - —
Mercury, ammoniated (see White precipitate, USP).
Metal, 76 lb. per flask, net-flask 280.00 - —
Mesityl oxide, dms., c.l., dlvd lb. .1350- —
l.c.l., dlvd. lb. .1450- —
tanks, dlvd. lb. .1150- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Chloroaniline).
Metanitroaniline (see m-Nitroaniline).
Metanitroparatoluidine (see m-Nitro-p-toluidine).
Metaphenylenediamine (see m-Phenylenediamine).
Metatoluidine (see m-Toluidine).
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, nat., denaturing grade, tanks, frt. alld gal. .75 - —
Prices on natural methanol W. of Miss. 3c. per lb. higher.
Syn., Zone 1, dms., c.l., dlvd., or truckload min., frt. alld. gal. .45 - —
t.c.l., same basis gal. .51 - —
tankwagon, 2,000-4,000-gal. lots, dlvd. Metropolitan area gal. .33 - —
4,000 gal., min., frt. alld. or dlvd gal. .30 - —
4,000 gal., min., works, Carteret, Camden, N. J gal. .27½- —
Zone 2, dms., c.l., or truckload min. frt. alld. or dlvd gal. .48 - —
t.c.l., same basis gal. .54 - —
tankwagon, 2,000-4,000-gal. lots, min., dlvd. Metropolitan areas gal. .36 - —
tanks, 4,000 gal., min., frt. alld. or dlvd gal. .33 - —
Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundarie of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetretramine).
dl-Methionine, fib. dms., frt. alld. 50-lb. or more lb. 3.50 - —
feed grade, 98%, fib. dms., same basis lb. 2.65 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64
Methyl acetate, non-ret. dms., c.l., dlvd. zone 1 lb. .20½- —
t.c.l. same basis lb. .21 - —
hydrogenated, non-ret. dms., c.l., dlvd. Zone 1 lb. .21 - —
t.c.l., same basis lb .21½- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetone, nat., dms., l.c.l., E. of Miss., frt. alld gal. .62½- —
syn., dms., c.l., frt. alld. E gal. .57 - —
t.c.l., frt alld E gal. .63 - —
tanks, frt. alld E gal. .45 - —
Synthetic methyl acetone E. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all states west of those four.
Acrylate, dms., c.l., t.l., dlvd. lb. .39 - —
t.t.l., dlvd lb. .40 - —
tanks, dlvd lb. .37 - —
Alcohol (see Methanol).
Amyl acetate, dms., c.l., dlvd. E. lb. .15½- —
t.c.l., dlvd. E lb. .16½- —
tanks, dlvd. E lb. .13½- —
Ketone, dms., works lb. 1.05 - —
Anthranilate, ens lb. 2.50 - 2.65
Benzoate, ens., dms lb. .53 - .65
Bromide, jobbers, cyls., various sizes, frt. alld. E lb. .47 - .61
Cellulose, special vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works. lb. .78 - —
2,000-lb lots and more, same basis lb. .65 - —
smaller lots, frt. alld. on 100 lbs lb. .89 - 1.00
standard vis., 15,400 cps.), 50-lb., bgs., c.l., frt. alld lb. .66 - —
2,000-lb. lots and more, same basis lb. .72 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .83
Chloride, indust., cycls., frt. equald. lb. .21 - —
tanks, multi-unit, same basis lb. .15 - —
single unit, same basis lb. .11¼- —
refrigerator mfrs., cyls., dlvd. lb. .45 - —
other consumers or service men, cyls. dlvd lb .62 - —
Chloroform (see 1,1,1-trichloroethane).
Cinnamate, ens lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works. lb. .35½- —
t.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Ethyl ketone, dms., c.l., dlvd. lb. .13½- —
t.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .11½- —
Formate, refd., dms lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .10 - —
Heptin carbonate, bots lb.33.00 -42.00
p-Hydroxybenzoate fib dms lb 1.90 2.00
Ionone, standard, ens., dms. lb. 5.20 - 5.50
Isobutyl carbinol, dms., c.l., dlvd. lb. .15½- —
t.c.l., dlvd lb. .16½- —
tanks, dlvd lb. .13½- —
Ketone, dms., c.l., dlvd lb. .15½- —
t.c.l., dlvd lb. .16½- —
tanks, dlvd lb. .13½- —
Methacrylate, dms., c.l., t.l., frt. equald with Belle, W. Va lb. .34 - —
smaller lots, same basis lb. .34½- —
tanks, same basis lb. .32 - —
Naphthyl ketone, cryst. ens lb. 3.60 - 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate)
Roseaniline chloride, NF, fib. dms., 5-lb. lots lb. 5.64 - —
Salicylate, USP, ens., 500-lb. lots lb. .56 - —
Testosterone, USP 100-gram bots. gram. .68 - —
2-Methylbenzylamine, dms., t.c.l., works lb. 1.25 - —
2-Methylbenzyl dimethylamine, dms., c.l., works lb. 1.89 - —
t.c.l., works lb. 1.90 - —
2-Methyl-5-ethyl pyridine dms., ca., works lb. .445 - —
t.c.l., works lb. .45 - —
tanks, works lb. .43 - —

Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb 3.25 - 3.60
smaller lots same basis lb 3.40 3.60
Chloride, tech., dms., c.l., dlvd. E lb. .12½- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .11¼- —
b-Methylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Methylpentanediol (see Hexylene glycol).
Methylphenylpyrazolone (see 1-Phenyl-3-methylpyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04¼ —
roofing, 20 to 80 mesh, works lb. .03 - .04
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06¼ —
l.c.l., ex-whse. or frt. alld. E lb. .07 - —
paint or lacq., bgs., c.l., works, frt. alld lb. .07¾ —
l.c.l. ex-whse or frt. alld. E lb. .08½ —
rubber, bgs., c.l., works, frt. alld. E lb. .07½ —
l.c.l., ex-whse. or frt. alld. E lb. .08½ —
wallpaper, bgs. c.l. works, frt. alld., E lb. .07¾ —
l.c.l., ex-whse. or frt. alld. E lb. .08¼ —
white, extra, fine, bgs., c.l. works, frt. alld. E lb. .07¾ —
l.c.l. ex-whse or frt. alld. E lb 08½ —
Mica, wet-grd. W. of Miss. ½c. higher; W of Rockies, 1c higher
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .10¼- .11½
New York gal. .12½- —
Molybdenum (metal), powd., 80 or 200 mesh ctns., works kilo. 8.80 - —
Trioxide, pure, dms., works lb. 1.10 - —
tech., dms., works, basis Mo. content lb. 1.31 - —
Monobutylamine, dms., c.l., E. of Rockies lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
Monochlorobenzene, dms., c.l., frt. alld or dlvd. E lb. .10 - —
l.c.l., same basis lb. .11 - —
tanks, same basis lb. .08½- —
Monoethanolamine, dms., c.l., dlvd. E lb. .27 - —
l.c.l., same basis lb. 28 - —
tanks, same basis lb. 25 - —
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% contained amine, dms., c.l., dlvd. E lb. .35 - —
l.c.l., dlvd. E lb. .36 - —
tanks, dlvd. E lb. .33 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylorthotoluidin (see N-Ethyl-o-toluidine).
Monoisopropanolamine, dms., c.l., dlvd. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25 - —
Monoisopropylamine, dms., c.l., dlvd. lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Monomethylamine, 30-35% soln., dms., c.l., frt. equald, 100% basis. lb. .40 - —
l.c.l., frt. equald 100% basis. lb. .40½- —
tanks, frt. equald 100% basis. lb. .31 - —
40% soln., dms., c.l., frt. equald., 100% basis lb. .37 - —
l.c.l., frt. equald, 100% basis. lb. .37½- —
tanks, frt. equald, 100% basis. lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-Butyl-m cresol)
Glutamate (see Sodium glutamate monobasic).
Phosphate (see Sodium phosphate monobasic).
Morphine, cns oz. 12.40 -12.60
Acetate, anhyd., cns oz. 9.95 -10.00
Hydrobromide, cns oz. 9.90 - 9.95
Hydrochloride, NF, cns oz. 9.90 - 9.95
Sulfate, USP, cns oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E lb. .54¾- —
l.c.l. dlvd E lb. .55¾- —
tanks, dlvd E lb. .52¾- —
Musk, syn., ambrette, 100-lb. lots, fib. dms lb. 5.15 - —
25-lb lots, cns lb. 5.20 - —
5-lb lots, cns lb. 5.30 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb lots cns lb. 5.35 - —
5-lb lots, cns lb. 5.45 - —
25-lb lots, cns lb. 1.45 - —
5 lb. lots, cns lb. 1.50 - —
xylol, 100-lb. lots, fib. dms lb. 1.40 - —
Mustard seed, Danish, yellow, bgs lb. .11 - .12
Dutch, yellow, bgs lb. No prices
English, yellow, bgs. lb. .13 - —
Montana, oriental, bgs. lb. .10½- —
yellow, bgs. lb. .10½- .11
Myrobalans, J-1, assorted, bgs., ex dock ton. 58.00 - —
crushed, bgs., ex dock ton. 82.00 - —
Bombay, bgs., ex dock ton. 55.00 -56.00
extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty lb. .10 - .10¼

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S)
Naphthalene, crude, dom., 74°, tanks, frt. equald lb. .06¼- —
78°, bgs., c.l., same basis lb. .07½- .08
l.c.l., same basis lb. .07¾- .08¼
tanks, same basis lb. .07 - —
Imp., 78%, large lots lb. .07 Nom.
refd., dms., indust., chipped or crushed, bgs., frt. equald lb. .12½- —
flake, bgs., same basis lb. .14 - —
tanks, same basis lb. .11¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .15½- —
cs., 50 lbs., c.l., same basis lb. .15¾- —
1-lb. pkgs., c.l., same basis lb. .18½- —
a-Naphthol, bbls., frt. alld lb. 1.00 - —
b-Naphthol, tech., flake, bbls., c.l., works lb. .33 - —
l.c.l., works lb. .35 - —
Benzoate, fib. dms., works lb. 3.00 - —
custom contract, works lb. 1.65 - —
Salicylate, dms lb. 5.00 - —
Sulfate, cns lb. 35.00 - —
a-Naphthylamine, bbls., frt. alld lb .50 - —
b-Naphthylamine, tech., flake, bbls., works lb. 1.60 - —
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin, fib. dms., 1 kilo lots, basis, activity gram. .45 - —
500-999 gram lots, basis, activity gram. .50 - —
Nerolin, cns lb. 2.15 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .77 - .90½
Carbonate bbls., dlvd lb. .73¾- .81¾
Chloride, bbls., dlvd lb. .38½- .46½
Formate, bbls., ton lots, frt. alld. lb. .68 - .69
Metal, electro cathodes, cs., works lb. .64½- —
Nitrate, bbls., works lb. .37 - .38
Oxide, black, bbls lb. .76 - —
green bbls. lb. .76 - —
Sulfate, bgs., c.l., dlvd lb. .30¼- —
l.c.l., dlvd lb. .31¼- .38¼
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride dms. frt. adjusted. kilo. 11.50 -11.80
Nicotine sulfate, 40%, dealers, 50-lb. dms. frt alld lb. 1.20 - —
manufacturers, 500-lb. dms., frt. alld lb. 1.03 - —
Niger seed, bgs lb. .11 - .11½
Nikethamide, cbys lb. 5.00 - —
m-Nitroaniline, cryst., dms., frt. alld. lb. 1.15 - —
paste, 100% basis, dms., frt. alld. lb. 1.10 - —
o-Nitroaniline, flaked, dms lb. .54 - .57
powd., dms lb. .60 - —
p-Nitroaniline, dms., c.l., frt. alld. lb. .445 - —
l.c.l., frt. alld lb. .475 - —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt. alld lb. .11 - —
o-Nitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .34 - —
l.c.l., same basis lb. .35 - .37
18-25 cps., bbls., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - .39
250-400, 600-1,000 secs., bbls., c.l., same basis lb. .39 - —
l.c.l., same basis lb. 40 - 42
spirit-soluble 30-35 cps., ¼, ½, secs., bbls., c.l., same basis lb. .41 - —
l.c.l. same basis lb. .42 - .44
5-6 cps., 40-60 secs., bbls., c.l., same basis lb. .40 - —
l.c.l. same basis lb .41 - 43
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene, dms., c.l., frt. alld lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18 - —
p-Nitrochlorobenzene, dms lb. .26 - .27
2-Nitro-4-chlorophenol, dms lb. .75 - —
Nitroethane, dms., c.l., dlvd. E lb. .24 - —
l.c.l., dlvd. E lb. .24¾- —
tanks, dlvd. E lb. .22½- —
Prices West of Rockies are 1c. higher.
Nitrogen solution, 37%N, tanks, frt. equald., per ton of product basis ton. 47.50 - —
40.8% N, tanks, same basis ton. 52.15 - —
Nitrogenous process tankage, bulk, works unit-ton. 4.00 - 5.10
Sewage sludge, bulk, works, unit-ton. 2.95 + .50
Nitromethane, dms., c.l. dlvd. E lb. .24 - —
l.c.l., dlvd. E lb. .24¾- —
tanks dlvd E lb. .22½- —
Prices West of Rockies are 1c. higher.
a-Nitronaphthalene, bbls., frt. alld. lb. .41 - —
Nitropropane-1, and -2, dms., c.l., dlvd. E lb. .22½- —
l.c.l., dlvd E lb. .23¼- —
tanks, dlvd. E lb. .21 - —
Prices West of Rockies are 1c. higher.
o-Nitrophenol, dms. works, frt. equald lb. .94 - —
p-Nitrophenol, dms. works, frt. equald lb. .50 - —
o-Nitrotoluene dms. c.l. frt. alld lb. .10 - —
l.c.l. frt alld lb. 11 - —
tanks, frt. alld lb. 09 - —
p-Nitrotoluene, dms., works lb. .33 - —
m-Nitro-p-toluidine, dms lb. 1.59 - —
Nitrous ether conc. bots 100-lb. lots lb. 1.28 1.35
Nonyl phenol, dms. c.l., frt. alld. lb. 26 - —
l.c.l. frt alld lb. 27 - —
tanks, frt alld lb. .24 - —
Nutgalls, Aleppo bgs lb. .36 - .38
Chinese bgs lb No prices.
Nutmeg, East Indian, bgs lb. .68 - .69
West Indian, bgs lb. .67 - .68
Nux vomica, bls lb. .10 - .12
powd., bbls., bxs lb. .15 - .17



For Permanently Plasticized Copolymers . . . Rohm & Haas Acrylate Monomers

When you copolymerize Rohm & Haas acrylate monomers with vinyl chloride, vinyl acetate, vinylidene chloride, acrylonitrile, or styrene you get permanent plasticization. The primary chemical bonds which are formed mean that the acrylates cannot be extracted by even the strongest solvents and cannot migrate or volatilize.

As a result, films and coatings remain flexible longer and withstand attack by heat and ultraviolet light.

Acrylate copolymers generally require lower processing temperatures, too, forming films readily because of increased flow. Often, copolymerization with acrylate monomers may be the only plasticization necessary. External plasticizers can still be added if desired. Write for your detailed booklet.

ROHM & HAAS ACRYLATE MONOMERS

Methyl acrylate	Ethyl methacrylate
Ethyl acrylate	Hexyl methacrylate
Butyl acrylate	Decyl-octyl methacrylate
2-Ethylhexyl acrylate	Lauryl methacrylate
Methyl methacrylate	Stearyl methacrylate
Butyl methacrylate	Glacial methacrylic acid

Chemicals for Industry

ROHM & HAAS COMPANY

WASHINGTON SQUARE, PHILADELPHIA 5, PA.

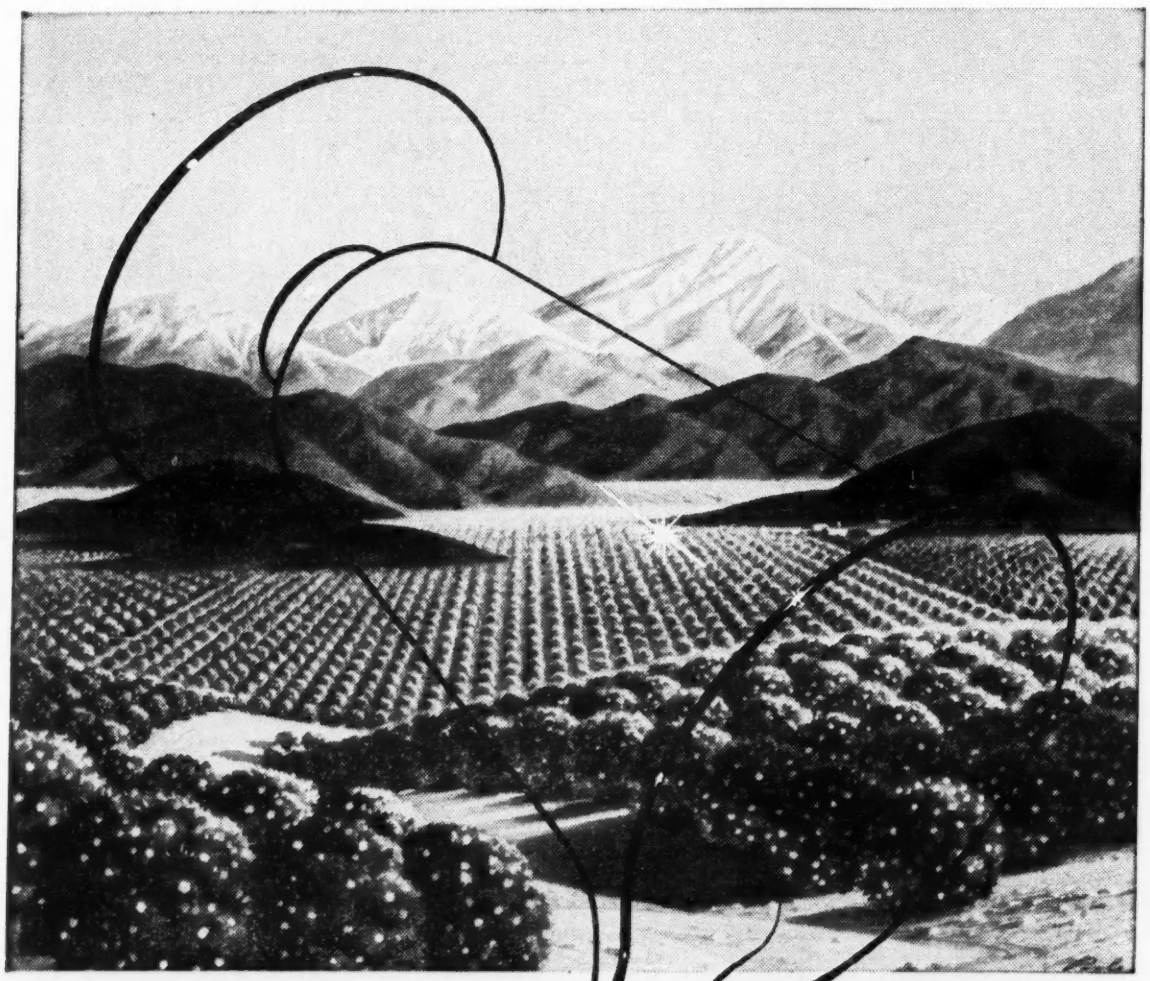
Representatives in principal foreign countries

O

Octane, indust., tanks, Bayonne, N. J. gal. .19 - —
Baytown, Tex gal. .15¾- —
Borger, Tex gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks, dlvd lb. .32½- —
Octyl phenol, bgs., c.l., works lb. .23¼- —
l.c.l. works lb. .23¾- —
tanks, works lb. .22½- —
Drum prices for octyl phenol are 1c. higher.

(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

Oil, abies siberica, cns lb. 3.00 - 3.50
Almond, artif., bitter (see Benzaldehyde).
nat., bitter, F.P.A., bots lb 3.00 3.75
NF, bots. lb 3.25 3.75
sweet, USP, dms., cns. lb. .62 - .80
Allspice (see Oil, pimento).
Amyris, dms lb. 1.30 - —
Angelica root, bots. lb.66.00 -100.00
seed, bots lb.56.00 -95.00
Aniline (see A).
Anise, USP, dms lb. 3.15 - 4.00
Apricot, kernel, USP, dms lb. .38 - .50
Avocado, cns. lb. 3.25 - —
Oil, bay, NF, Puerto Rican, 50-55%, cns lb. 1.90 - 2.75
55-60%, cns. lb. 2.10 - 2.50
West Indian, 50-55%, cns., dms., lb. 1.85 - 2.40
Bergamot, nat., NF, Italian, cns. lb. 8.50 -11.00
Birchtar, crude, cns lb. 1.50 - 1.90
rectified, NF, cns lb. 1.75 - —
Bois de rose, Brazil, dms lb. 4.00 - —
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb. .65 - .70
Cajeput, native, cns lb. 1.75 - 2.10
redist., USP, cns lb 2.25 - 3.00
Calamus, bots lb 12.00 -20.00
Camphor, sassafrassy, dms lb. .29 - —
white, dms lb. .29 - —
Cananga, native, cns lb. 7.50 - —
rectified, cns. lb.12.00 -14.75
Caraway, NF, cns. lb. 3.65 - 5.00
Capsicum (see Capsicum oleoresin).
Cardamom, NF, bots lb.43.00 - —
Cassia, USP (see Oil, cinnamon, USP).
Castor, blown, dms., c.l. lb. .2100- —
l.c.l. lb. .2150- —
dehydrated, bodied, dms., c.l lb. .2310- —
l.c.l. lb. .2360- —
tanks lb. .2160- —
unbodied, dms., c.l lb. .2160- —
l.c.l. lb. .2210- —
tanks lb. .2010- —
hydrogenated, bgs., c.l., dlvd lb. .21¾- —
l.c.l., dlvd. lb. .27¾- —
No. 3, tech., dms., c.l. lb. .1625- —
l.c.l. lb. .1675- —
tanks lb. .1475- —
No. 1, Brazilian, tanks lb. .14¾- —
Oil, castor, USP, dms., c.l. lb. .1850- —
l.c.l. lb. .1900- —
tanks lb. .1700- —
refd. and deodorized, dms., c.l. lb. .2075- —
l.c.l. lb. .2125- —
tanks .1925- —
sulfonated, 50%, dms., l.c.l lb. .11½- .12
75%, dms., l.c.l. lb. .14½- .15
Cedarleaf, USP, XIII, cns., dms. lb. 3.15 - 3.50
Cedarwood, cns., dms lb. .65 - 1.00
Celery seed, bots lb.12.50 -20.00
Chamomile, blue, Hungarian, bots. lb.90.00 -180.00
Chenopodium, NF, cns lb. 3.20 - 5.00
Chinawood (see Oil, tung).
Cinnamon, bark, bots lb.25.00 -70.00
leaf, crude, dms lb. 1.30 - 2.00
USP, cns., dms. (Cassia) lb.13.50 - —
Citronella, Ceylon, cns., dms lb. .96 - —
Java, cns lb. 1.98 - —
Java-type, cns lb. 2.05 - 2.25
Clove, bud, USP, cns., dms lb. 2.65 - —
leaf, crude, dms lb. 1.20 - 1.50
Coconut, crude, tanks, N. Y. lb. .11½- —
Pac. Coast lb. .10⅞- —
refd., Cochin type, dms., tax incl., l.c.l lb. .19½- —
deodorized, tax incl., dms., l.c.l lb. .21½- —
Cod, Newfoundland, dms lb. .11½ Nom.
Codliver, USP, dms gal. 1.45 - 1.55
Copaiba, cns lb. 1.75 - 2.50
Coriander, USP, bots lb.13.50 - —
Corn, crude, tanks, works lb. .12⅞- —
foots (soapstock), acid 95%, tanks, N. Y. lb. .06⅛- —
refd., salad, dms lb. .17⅞- .18¼
tanks lb. .16⅜- —
Costus, bots. lb. 8.00 - —
Oil, cottonseed, crude, tanks, South East lb. .12 - .12⅛
Valley lb. .12 - —
Texas lb. .11⅞- .12
foots (soapstock), acid 95%, tanks, N. Y. lb. .04½- —
refd., salad, dms lb. .17 - .17¼
tanks lb. .15½- —
Creosote (see Creosote, coaltar)
Cubeb, cns lb. 3.50 - —
Cumin, bots., cns lb. 5.25 - 5.75
Cypress, bots. lb. 5.30 - —
Degras (see D).
Dillseed, bots. lb. 2.80 - 4.25
Dillweed, dom., bots., dms lb. 3.50 - 5.00
Dip (see D).
Erigeron, cns lb. 5.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, drums lb. .72 - 1.05
80-90%, dms lb. .78 - 1.10
Fennel, sweet, USP, cns lb. 2.80 - —
Fir, Canada, cns lb. 2.25 - 3.00
Fish, refd., alkali, dms lb. .1400- .1450
kettle-bodied, dms lb. .1630- .1680
light-pressed, dms lb. .1250- .1300
tanks lb. .1100- —
Fishliver, crude, for feeds or concentrating, 4,000 to 12,000 A units per gram, dms., 1,000,000 units. .08 .09
10,000 to 20,000 A units per gram, dms., 1,000,000 units. .09 .10
25,000 to 35,000 A units per gram, dms., 1,000,000 units. .09 .10
40,000 to 55,000 A units per gram, dms., 1,000,000 units. .10½ .11
100,000 A units per gram., dms 1,000,000 units. .12 .14
200,000 A units per gram., dms 1,000,000 units. .12 .14
300,000 A units per gram., dms., 1,000,000 units . .12 - .14½
400,000 A units per gram, dms., 1,000,000 units . .12 .14½
500,000 A units per gram., dms 1,000,000 units. .12 - .14½
Prices above are based on the USP XIV method of conversion, Morton Stubbs Corrected E x 1900.
Fusel (see F).
Garlic, pure, bots oz. 4.75 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb.11.65 -14.00
Bourbon, cns lb.12.00 -13.50
Turkish (see Oil palmarosa)
Ginger, dist., bots lb.17.85 -19.00
Grapefruit, dms lb. 1.75 - 3.25
Grease, No. 1, dms lb. .15¼- .16¼
extra, winter, strained, dms lb. .17½- .19
prime, burning, dms lb. .19 - .20
Guiacwood, cns. lb. 1.30 - 1.90
Hemlock, cns lb. 2.10 - 2.50
Juniper berry, NF, VIII, bots lb. 2.75 - 4.00
twice rectified, bots lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns. lb. .38 - .55
Lard (see Oil, grease).
Laurel leaf, dms., cns lb. 9.75 -12.50
Lavandin, dms., cns lb. 2.35 - 2.85
Lavender, flower, USP, French, 30-32% ester, cns. lb. 2.85 - 4.60
38-40% ester, cns lb. 8.50 - 9.50
40-42% ester, cns lb. 8.75 - —
spike, Spanish, cns lb. 1.85 - 2.30
Lemon, USP, Calif., cns., dms lb. 4.05 - —
Messina, cns lb. 5.50 - —
terpeneless, bots lb 32.00 -65.00
Lemongrass, cns., dms lb. 1.90 - 2.50
Lignaloe wood, Mex., cns lb. 4.65 - —
Lime, dist., Mexican, cns lb. 3.25 - 4.75
West Indian, cs lb. 3.25 - 4.75
expressed, West Indian, cns lb. 7.00 - 8.00
terpeneless, bots. lb.29.50 -100.00
Linseed, raw, dms., c.l., N. Y. lb. .1605- —
l.c.l. lb. .1625- .1650
tanks (f.o.b. Minneapolis) lb. .1330- —
New York lb. .1455- —
tankwagon, New York lb. .1485- —
Boiled linseed oil, 006c per lb higher
Mace, dist., cns., dms lb. 4.75 - —
Mandarin (see Oil, tangerine)
Menhaden, crude, tanks, works, Atlantic & Gulf lb. .08¾- —
tanks, f.a.s., same basis lb. .09 - —
Mineral, white (see Oil, white mineral).
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms lb. .18 - —
syn. bots lb. 1.60 - 1.85
Neatsfoot, 15° cold test, dms lb. .33 - .34
20° cold test, dms lb. .32 - .33
30° cold test, dms lb .30 - .31
Neroli, NF, French, bots lb.85.00 -310.00
Spanish, bots. lb.32.50 -85.00
Nutmeg, USP, dist., East Indian, cns., dms lb. 4.75 - —
West Indian, cns., dms lb. 4.65 - —
Ocotea cymbarum, dms lb. .55 - .58
Oiticica, liq., dms lb. .15⅜- .16⅛
tanks lb. .14½- .15
Oleo, extra, dms lb. .13 - .13⅛
Olibanum, bots. lb. 5.50 - 7.65
extra fine, bots lb. 8.00 - 9.00
Olive, edible, Spanish, dms., duty paid gal. 2.55 - 2.65
Orange, sweet, dist., cns lb. .45 - .80
expressed, USP, Brazilian, cns., dms lb No stocks.
Calif., cns., dms. lb. .55 - 1.25
Florida, cns., dms lb. .40 - .50
Messina, cns. lb. 3.85 - 5.85
West Indian, cns., dms lb. 2.50 - 3.65
sesquiterpeneless, bots lb.65.00 -120.00
Origanum, Spanish, cns lb. 2.00 - —
Palm, clarif., dms lb. .13¼- .13¾
kernel, denat., tanks lb. .11⅜ Nom.
Palmarosa, cns lb. 8.00 -10.00
Paraffin, pale, 100-110 vis., at 100 F, tanks, East Coast refy gal. .14 - —
Patchouli, dms. lb. 7.50 - 9.50
Peach kernel, USP (see Oil apricot kernel)
Peanut, crude, tanks, f.o.b. mills. lb. .17⅛- —
refd., dms. lb. .22¾- .23¼
tanks lb. .21¼- —
Pennyroyal, USP, imported, cns. lb. 2.75 - 3.50
Peppermint, nat., dms lb. 5.80 - 8.00
redist., USP, dms lb. 6.05 - 9.00
Persic, USP (see Oil, apricot kernel).
Petitgrain South American, cns., dms lb. 3.20 - 3.50
Pimento, berry, NF, dms lb. 4.00 - 8.00
leaf, cns. lb. 2.65 - 3.10
Pine, dest.-dist., dms., l.c.l., works. lb. .12¼- —
ex-whse. lb. .14¼- —
steam dist. dms., ex whse., N.Y.C lb. .163 - —
Pineneedle, Siberian (see Oil, abies siberica).
Rapeseed, tankcars lb. .16 - —
Red (see Acid, oleic).
Rice, bran, clarif., dms., l.c.l. lb. .17½- —
tanks, dlvd. E lb. .13½- —
Rose, nat., Bulgarian, bots oz.48.00 -54.00
Rosemary, Spanish, USP, cns., dms lb. .60 1.00
tech., cns., dms lb. .50 .70
Rue, bots. lb. 2.00 2.50
Safflower, dms., c.l., Atl. coast lb. .1735- —
tanks, same basis lb. .1585- —
Sage, clary, bots lb.18.75 -19.00
Dalmatian, cns. lb. 4.50 - 6.00
Spanish, cns. lb. 1.25 - 1.40
Sandalwood, NF, cns lb.17.25 -20.00
Sardine, crude, tanks, Pac. coast. lb. .08¼- .09
Sassafras, artif., dms lb. .70 - 1.25
nat., dom., USP, dms lb. 1.75 - 2.10
imp., Brazilian (see Oil ocotea cymbarum).
Savin, cns lb. 2.75 - —



Oranges are not all alike...

There are as many different varieties of oranges as there are apples. They differ in physical appearance, juice character, peel flavor and in the many constituents which make up the component parts of the fruit. Many oranges that may be comparable in some characteristics may differ widely in others and, in some respects, one may be three or four times as potent as the other.

That is why Exchange Brand California Oil of Orange is the standard the world over for orange flavor excellence. You not only get the benefit of Exchange experience, technical skills and vast fruit resources, but Exchange Brand Oil of Orange is made only from California oranges with peel oil that is far richer in flavor strength and more intense in the aromatic constituents which are universally accepted as true orange flavor.

The cost of flavor is so small, why risk the quality of your product for penny economy? Protect its valuable reputation with the consistent quality and distinctive California feature of Exchange Brand Oil of Orange.

Sunkist Growers

PRODUCTS DEPARTMENT · ONTARIO, CALIFORNIA • *Produced by* The Exchange Orange Products Co. · Ontario, California
Distributed in the U.S. exclusively by
DODGE & OLCOTT, INC., 180 Varick St., New York 14, N.Y. • FRITZSCHE BROTHERS, INC., 76 Ninth Ave., New York 11, N.Y.

Oil, savory, cns. lb. 4.25 - —
Sesame, refd., dms. lb. .36 - .37
Shingle stain, tar distillate, dms., c.l., works gal. .33 - —
l.c.l., works gal. .44 - —
tanks, works gal. .23 - —
Snakeroot, Canada, cns. lb. 27.50 -31.00
Soybean, crude, tanks, Decatur, lb. .11¾- —
foots (soapstocks), acid, 95%, tanks, N. Y. lb. .06¾- —
refd., alkali, dms. lb. .15⅝- .16
tanks lb. .14⅛- —
clarified, dms. lb. .15⅛- .15⅛
tanks lb. .13⅜- —
salad, dms. lb. .15⅞- .16⅛
tanks lb. .14⅜- —
Spearmint, USP, dms. lb. 4.75 - 5.60
Sperm, bleached winter, 45° dms. lb. .1775- .1825
tankcars lb. .1600- —
nat., winter, 45°, dms. lb. .1675- .1725
tankcars lb. .1500- —
Spruce, cns., dms. lb. 2.10 - 2.75
Sweet birch, USP, Northern, cns. lb. 4.25 - 9.50
Southern, cns lb. 2.50 - 3.00
Tall, crude, dms., c.l., works lb. .03½- —
tanks, works lb. .02½- —
dist., dms., c.l., works lb. .07½- —
l.c.l., works lb. .07¾- —
tanks, works lb. .06¼- —
refd., dms., c.l., works lb. .06½- .06¾
l.c.l., works lb. .06¾- .07¼
tanks, works lb. .05¼- .05¾
Tallow, acidless, dms lb. .13½- .15
Tangerine, Floridian, dms lb. 2.00 - 2.80
Tansy, dms lb. 7.50 - 8.40
Tar acid (see T's).
Pine, coml., dms., c.l., works lb. .0561- —
l.c.l., works lb. .0634- —
whse lb. .0745- —
tanks, works lb. .046 - —
rectified, NF, drls., incl., l.c.l., works, South gal. 1.05 - —
ex whse., N. Y. C. gal. 1.15 - —
refined, dms., works, l.c.l., incl. gal. .92 - —
N. Y. whse., l.c.l. gal. 1.02 - —
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms. lb. 1.70 - 3.75
white, cns lb. 1.95 - 4.00
tech., white, cns lb. .40 - 1.85
Tung, dms., c.l., N. Y. lb. .28 - —
l.c.l., same basis lb. .28½- .28¾
tanks, N. Y. lb. .26¼- —
domestic mills lb. .26 - —
Turkey red (see Oil, castor, sulfonated).
Turpentine, NF, cns., dms. lb. .23 - .45
Vetiver, Bourbon, cns. lb. 13.00 -17.00
Haitian, cns. lb. 9.50 -10.00
Java, cns. lb. 22.50 -40.00
Wheat germ, 5-gal. dms. gal. 10.00 -13.00
White mineral, tech., 50-65 vis., non ret. dms. c.l., f.o.b. N. Y. gal. .51½- .54½
65-75 vis., non-ret., dms., c.l., same basis gal. .52½- .55
l.c.l., same basis gal. .57½- .58½
80-90 vis., non-ret., dms., c.l., same basis gal. .53½- .56½
l.c.l., same basis gal. .58½- .59½
125-135 vis., non-ret. dms., c.l., same basis gal. .59½- .62½
l.c.l., same basis gal. .64½- .65½
145-155 vis., non-ret. dms., c.l., same basis gal. .66 - .69½
l.c.l., same basis gal. .71 - .71½
175-185 vis., non-ret. dms., c.l., same basis gal. .69½- .73
l.c.l., same basis gal. .74½- .75
USP, 200-210 vis., non-ret., dms., c.l., same basis gal. .73½- .75
l.c.l., same basis gal. .77½- .78
315-335 vis., non-ret. dms., c.l., same basis gal. .77 - .80
l.c.l., same basis gal. .83 - .85
Wintergreen, USP, nat., Northern, cns lb. 6.35 -10.30
Southern cns lb. 3.20 -19.50
Syn. (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed (see Oil, Chenopodium, NF).
Wormwood, cns. lb. 5.00 - 6.85
Ylang-ylang, Bourbon, bots. lb. 17.00 -30.00
extra bots lb. 28.00 -40.00
Madagascar, bots lb No stocks
Oleostearine, bbls. lb. .10½- .11
Opium, USP, cns oz. 19.20 -19.45
gran., USP, cns oz. 21.65 -21.90
powd., USP, cns oz. 21.65 -21.90
Orange cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.56 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn., and E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .33 - .33½
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Dinitroaniline toner lb. 1.30 - —
Mineral, American, bbls., l.c.l., works lb. .2160- —
Molybdated, bbls lb. .46 - .46½
o-Nitroaniline toner, kgs lb. 1.15 - —
Peel, bitter, Haitian, bls lb. .14 - .16
sweet bls lb. .16 - .18
Orris root, Florentine, bls lb. .45 - .50
powd., bbls., bxs. lb. .50 - .53
Verona, bls lb. .35 - .40
powd., bbls., bxs. lb. .40 - .45
Ortho-aminobiphenyl (see o-Aminobiphenyl).
Orthoanisidin (see o-Anisidine).
Orthochloroaniline (see o-Chloroaniline).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroparanitroanilin (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroanilin (see o-Nitroaniline).
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).
Orthonitrobiphenyl (see o-Nitrobiphenyl)
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidin (see o-Phenetidine).
Orthophenylphenol (see o-Phenyl phenol).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).
Orthotolidin (see o-Tolidine base).
Orthotoluun (see o-Toluidine)
Osage, orange, cryst., No. 1, bbls. l.c.l lb. .40 - —
extract, liq., No. 1, bbls., l.c.l., lb. .19 - —
Ouabain, USP, bots gram. 3.00 - 4.00
Oxyquinolin sulfate, cns., 100-lb. lots, works lb. 4.73 - 5.00
smaller lots, works lb. 4.92 - 5.17

P

Pancreas substance, assay 1:75 bots., 5-lb. lots or more lb 4.00 - —
Pancreatin USP bots lb 1.90 2.10
Papain, USP, African, bots lb. 3.50 4.00
Ceylon lb. 3.00 3.50
Papaverine, nat. or syn. hydrochloride, USP, cns., 25-oz. to 100-oz. lots oz. 5.00 - —
smaller lots oz 5.05 5.20
Sulfate, cns. oz. 7.10 - 7.35

Paprika, Roumanian, bgs. lb. .28 - —
Spanish, bgs. lb. .35 - .36
Yugoslavian, bgs. lb. .36 - .37
Para-aminophenol (see p-Aminophenol).
Para-anisidin (see p-Anisidine).
Parachloranilin (see p-Chloroaniline).
Parachloro-orthonitroanilin (see 4-Chloro-2 nitroaniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Paraffin, crude scale, white, 121°-123°F, ASTM, solid, c.l., refy lb. .0710- —
fully refd., 122°-124°F., ASTM, c.l., refy lb. .0655- —
125°-127°F, ASTM, slabs loose, c.l., refy lb. .0845- —
130°-132°F., ASTM, slabs loose, c.l., refy lb. .0855- —
132°-134°., ASTM, c.l., refy lb. .0855- —
135°-137°F., ASTM, slabs, loose, c.l., refy lb. .0855- —
Prices for paraffin in bags and ctns., c.l. 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs. 3.7c. per lb higher.
AMP temperatures are an arbitrary 3°F. higher than ASTM.
Paraformaldehyde, 91% flake, bgs., c.l., frt. alld lb. .1075- —
l.c.l., frt. alld lb. .1275- .1375
powd., bgs., c.l., frt. alld lb. .15½- —
l.c.l., frt. alld lb. .17 - —
USP X, fib. dms., c.l. lb. .183 - —
1,000-lb. lots lb. .193 - —
smaller lots lb. .208 - —
Paraldehyde, tech., 98%, 55-gal. dms., c.l. works lb. .13½- —
l.c.l., works lb. .14½- —
tanks, works lb. .11½- —
Paranitroanilin (see p-Nitroalinine).
Paranitrochlorobenzene (see p-Nitrochlorobenzene).
Paranitrophenol (see p-Nitrophenol).
Paranitrotoluene (see p-Nitrotoluene).
Paraphenetidin (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine)
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, spray powder, 15% dealers, dms., works lb. .50 - .53
tech., dms., c.l., t.l., works lb. 1.3395- —
l.c.l., works lb. 1.51 - —
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs or over lb. .36 - .40
l.c.l., same basis lb. .37 - .53
Passion flower herb, bls. lb. .20 - .21
Peanut meal, 45%, old process, bgs., mills ton. 38.00 Nom.
Pectin, citrus, NF, powd., bbls lb 2.05 - 2.06
tech., powd., bbls lb. 1.35 - —
imported, Danish, ex whse lb. 1.28 - —
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units. .03½- .04
Procaine bulk 1,000,000 units. .03½- .04
Sodium, sterile, bulk, 1,000,000 units. .03½- .04
Pentachlorophenol, dms. c.l., t.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .22½- .29
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, indust., tanks, Tex. refy. gal. .14¼- —
Pepper, black, Malabar, spot, bgs lb. .37 - —
red, Gondar, spot, bgs lb. No prices.
Japanese hontaka bgs lb. .33 - .34
birdseyes, bgs., new crop lb. No prices.
Mombasa, bgs., shipt lb. .65 - —
Nigerian, bgs. lb. .29½- —
Turkish, bgs. lb. .28 - —
white, bgs lb. .44 - .45
Peppermint leaves, USP, dom., bls., dms lb. .70 - .75
imp., bls. lb 1.10 - —
Pepsin NF 1:3,000 bulk lb 3.45 - 3.50
Perchloroethylene dms., c.l., or truckloads, dlvd. E lb. .12½- —
l.c.l., dlvd. E lb. .14 - —
tank trucks, 1,000 gal., min., dlvd. E lb. .11½- —
tanks, dlvd E lb. .11 - —
dlvd. W. lb. .11½- —
Peru balsam, dms lb 1.50 1.75
Petrolatum, amber, dms. c.l., refy lb. .05⅝- .06¼
l.c.l., dlvd lb. .07⅜- .07⅝
tanks, refy lb. .03⅜- .04¾
cream, dms., c.l., refy lb. .06¾- .07¾
l.c.l. dlvd. lb. .09⅛- .09⅜
tanks, refy. lb. .05 - .06¼

make INTERNATIONAL

your regular source of supply of

carbonate of potash

—for the production of quality glass, chemicals, textiles, pharmaceuticals and other products.

—in the grade, density, particle size, and uniformity you require.

LIQUID—47 to 48%. Available in 675 lb. drums and tank cars.
HYDRATED—83 to 85%. Available in 100 lb. bags and 400 lb. barrels for shipment by truck or rail.
CALCINED—99 to 100%. Available in 100 lb. bags and 325 lb. barrels and bulk in minimum carloads.

MINERALS International CHEMICALS

mining • refining • manufacturing • CAUSTIC POTASH—*all standard grades* • HYDROFLUOSILICIC ACID
CARBONATE OF POTASH—*all standard grades* • POTASSIUM CHLORIDE—*refined and technical grades* • SULFATE OF POTASH
LIQUID CHLORINE • MURIATIC ACID • MAGNESIUM OXIDE

Address all inquiries to Industrial Sales Dept., Potash Division,
General Offices: 20 North Wacker Drive, Chicago 6 • 61 Broadway, New York • Midland, Texas

potash division INTERNATIONAL MINERALS & CHEMICAL CORPORATION

Petrolatum, Extra Amber—Poke Root

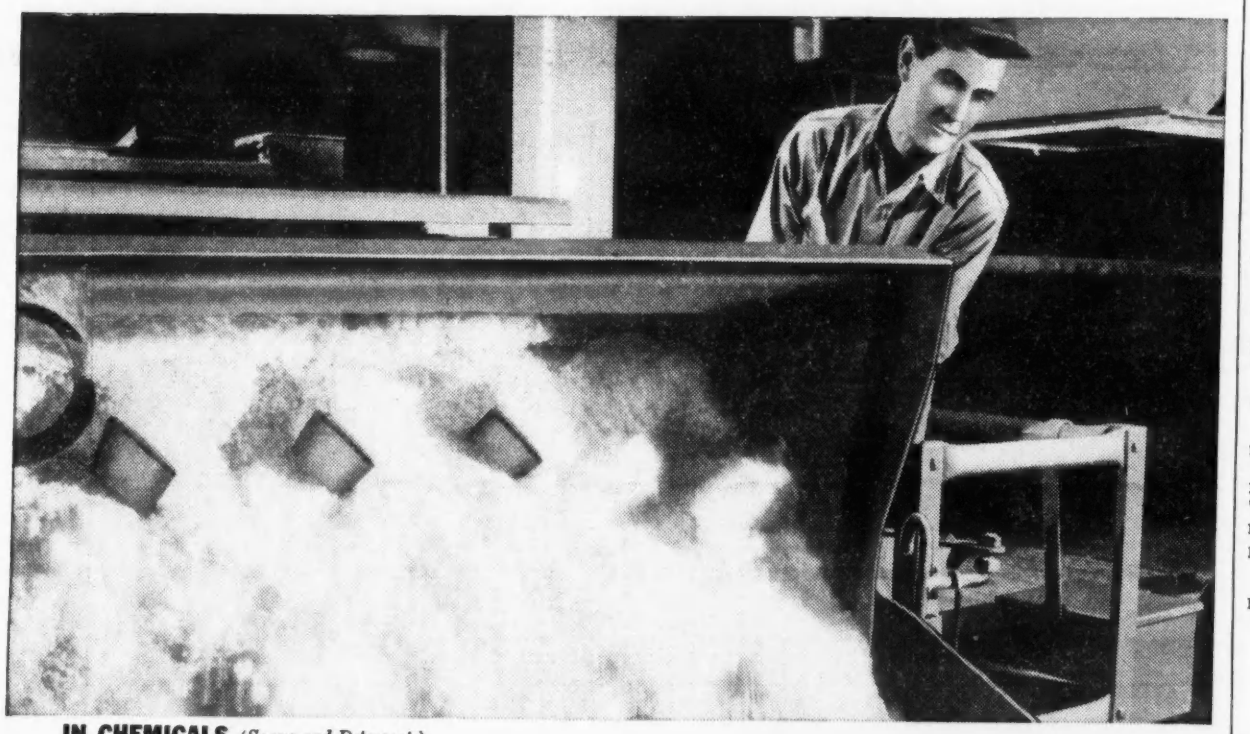
Petrolatum, extra amber, dms., c.l., refy. lb. .05⅞- .06½
l.c.l., dlvd. lb. .07⅞- .07⅞
tanks, refy. lb. .04½- .05¼
USP, white, lily, dms., c.l., refy. lb. .07¼- .07⅞
l.c.l., dlvd. lb. .09½- .09¾
tanks, refy. lb. .05½- .06⅛
snow, dms., c.l., refy. lb. .08⅛- .08⅜
l.c.l., dlvd. lb. .10 - .10¼
tanks, refy. lb. .06 - .06½
soft, dms., c.l., refy. lb. .07⅜- .08⅜
l.c.l., dlvd. lb. .09⅛- .09⅜
tanks, refy. lb. .05⅞- .06½
yellow, soft, dms., c.l., refy lb. .05⅞- .06⅜
l.c.l., dlvd. lb. .07½- .07¾
tanks, refy. lb. .04⅛- .06½

Petroleum, lacquer diluent, 150°-240°F, b.r., tanks, West Coast, ex tax, Los Angeles gal. .169 - .204
East coast, N. J., N. Y. gal. .19 —
Group 3, benzol-type gal. .14125- .14625
toluol-type gal. .13125- .13375
Mineral spirits, reg., tanks, California, ex tax, San Francisco gal. .164 - —
East coast, N. J., N. Y. gal. .17 —
Group 3 gal. 11875- —
tankwagon, Boston gal. .19 - —
Buffalo gal. .195 - —
Chicago gal. .279 - —
Cleveland gal. .22 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Providence gal. .195 —

Petroleum, mineral spirit, odorless, tanks, refy., Watson, Cal. gal. .245 - —
Borger, Tex. gal. .24 - —
Houston, Tex. gal. .24 - —
Wood River, Ill. gal. .2625- —
dlvd. N. J. gal. .32 - —
dlvd. N. Y. gal. .33½- —
tankwagon, N. J., dlvd. gal. .36 - —
N. Y., dlvd. gal. .37 - —
Naphtha, cleaners, tanks, East Coast, N. J. and N. Y. gal. .17 - —
Group 3 gal. .12875- —
tankwagon, Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
High solvency (see Petroleum solvent, partial aromatic)
VM&P, 225°-300°F, b.r., tanks, West Coast, Los Angeles gal. .169 - —
Portland, Ore. gal. .175 - —
San Francisco gal. .174 - —
Seattle, Wash. gal. .175 - —
East Coast, N. J., N. Y. gal. .18 - —
Group 3 gal. .12875- —
tankwagon, Boston gal. .205 - —
Chicago gal. .289 - —
Cleveland gal. .23 - —
Newark gal. .195 - —
New York gal. .195 - —
Philadelphia gal. .20 - —
Pittsburgh gal. .19 - —
Solvent, partial aromatic, tanks, 205°-282° F., b.r., 41°C., m.a.p., N. Y., N. J. gal. .245 - —
212°-278°F. b.r., 43°C. m.a.p., N. J. gal. .26 - —
212°-284°F. b.r., 19°C. m.a.p., N. J. gal. .29 - —

Petroleum solvent, partial aromatic, tanks, 224°-280°F., b.r., 48°C. m.p.a., Houston gal. .215 - —
273°-361°F. b.r., 29°C. m.a.p., N. J. gal. .29 - —
282°-325°F. b.r., 41.5°C. m.a.p. Houston gal. .25 - —
287°-386°F., b.r., 31°C., m.a.p., N. J. gal. .29 - —
310°-344°F., b.r., 13.5°C. m.a.p., Texas City gal. .33 - —
310°-348°, b.r., 17°C., m.a.p., N. Y., N. J. gal. .35 - —
330°-360°F., b.r., 16°C. m.a.p., N. Y., N. J. gal. .33 - —
324°-349°F., 37°C., m.a.p., Houston gal. .33 - —
341°-390°F., b.r., 35°C., m.a.p., N. J. gal. .27 - —
352°-413°F, b.r., 30°C, m.a.p., Houston gal. .33 - —
358°-401°F., b.r., 25°C. m.a.p., N. Y., N. J. gal. .39 - —
364°-404°F. b.r., 19°C. m.a.p., N. Y., N. J. gal. .425 - —
367°-418°F. b.r., 19.6°C. m.a.p., N. Y., N. J. gal. .33 - —
rubber, tanks, Cal., ex tax, San Francisco gal. .173 - —
East Coast, N. J., N. Y., gal. .18 - —
Group 3 gal. .12875- —
Stoddard, tanks, East Coast, N. J., N. Y. gal. .17 - —
Group 3 gal. .12375- —
Pennsylvania, western gal. .15 - —
Boston gal. .19 - —
Chicago gal. .289 - —
Cleveland gal. .22 - —
Los Angeles, ex tax gal. .194 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —

Petroleum sulfonate, oil soluble, 60-62% sulfonic content, non-ret., ret. dms., c.l., works lb. .16½- .18¾
l.c.l., works lb. .17½- .19
tanks, works lb. .14½- .17
50-55% sulfonic content, non-ret. dms., c.l., works lb. .16 - —
l.c.l., works lb. .17 - —
tanks, works lb. .13 - —
o-Phenetidine, dms., works lb. 1.00 - —
p-Phenetidine, dms., works lb. 1.00 - —
Phenobarbital, USP, dms., 100-lb. lots lb. 3.50 - —
Phenobarbital-sodium, USP, dms., 100-lb. lots lb. 3.50 - —
Phenol, 90-92% (cresol 8-10%), non-ret. dms., c.l., frt. alld. E. of Rockies lb. .16¾- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
82-84% (cresol 16-18%), non-ret. dms., c.l., same basis lb. .16¼- —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14½- —
39° or above, tar distilled, non-ret. dms., c.l., same basis. lb. .18¼- —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16½- —
USP, syn., dms., c.l., frt. alld. lb. .18¾- —
1,000-lb. lots or more, same basis lb. .19½- —
less than 1,000-lb. lots, same basis lb. .20½- —
tanks, same basis lb. .17 - —
Phenolphthalein, USP or yellow, bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazine, NF, fib. dms., c.l., frt. adjusted lb. .39 - —
over 2,100 lbs., same basis lb. .41 - —
less than 2,100 lbs., same basis. lb. .43 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol.)
Phenylacetaldehyde, soln., 50%, bots lb. 2.40 - 2.70
100%, bots lb. 4.00 - 4.65
Phenylacetamide, 125-lb. dms., works lb. 1.10 - —
smaller dms., works lb. 1.15 - 1.10
dl-Phenylalanine, dms., works lb. 27.00 - 37.50
1-Phenyl-3-carbethoxy pyrazolone-5, 250-lb. fib. dms., dlvd. E lb. 3.60 - —
smaller dms., dlvd. E lb. 4.00 - —
Phenyldiethanolamine dms., c.l., dlvd. E lb. .40 - —
l.c.l., dlvd. E lb. .41 - —
tanks, dlvd. E lb. .38½- —
m-Phenylenediamine, dms., frt. alld. lb. .95 - —
o-Phenylenediamine, coml., 100 to 1,000 lbs., fib. dms., works lb. 1.70 - 1.80
p-Phenylenediamine, tech., refd., dms., works lb. 1.42 - —
Phenylethanolamine, dms., c.l., works lb. .75½- —
l.c.l., same basis lb. .76 - —
Phenylethyl acetate, bots lb. 1.30 - —
b-Phenylethylamine, dms., 1,000-lb. lots, works lb. 1.10 - —
smaller lots, works lb. 1.15 - 1.40
Phenylhydrazine base, CP, bots lb. 3.00 - 3.07
Hydrochloride, coml., kgs., works. lb. 1.75 - —
purif., bots., works lb. 5.17 - —
1-Phenyl-3-methyl pyrazolone-5, 250-lb. lots, dlvd. E lb. 1.80 - —
smaller lots, dlvd lb. 2.10 - —
Phenylethylphenyl acetate, bots lb. 3.95 - 4.40
o-Phenylphenol, dms., l.c.l., works. lb. .42 - .44
p-Phenylphenol, bgs., c.l., works lb. .35 - —
l.c.l., works lb. .39½- —
Phloroglucinol, coml., fib. dms., works lb. 6.40 - —
C.P., bots., works lb. 17.75 - —
tech., fib. drums., works lb. 10.45 - —
Phosphate, defluorinated (see under D. Rock, Curacao, Atlantic ports, New Orleans ton. 43.00- —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 68-66%, b.p.l., bulk, c.l., mines long-ton. 4.61 - —
70-68%, b.p.l., c.l., same basis long-ton. 5.21 - 5.22
72-70%, b.p.l., c.l., same basis long-ton. 5.87 - —
75-74%, b.p.l., c.l., same basis long-ton. 6.87 - —
78-76%, b.p.l., c.l., same basis long-ton. 7.87 - —
The above prices are based on fuel oil at $2.47 per bbl. and labor at $1.39. Recent labor advance currently absorbed.
Phosphorus, amorph., red, dms., c.l., works lb. .43 - —
smaller lots, works lb. .44 - .45
white (yellow), solid, dms., c.l., works, frt. equald lb. .20 - .20¼
l.c.l., works, frt. equald. lb. .21½- —
tanks, works, frt. equald. lb. .19 - —
Oxychloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .12½- —
Pentasulfide, solid, dms., c.l., works lb. .11½- —
l.c.l., works lb. .12½- —
Pentoxide, dms., c.l., works lb. .13½- —
l.c.l., works lb. .16½- —
Sesquisulfide, tins, cs., works lb. .29 - —
export, dms. lb. .31 - .36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tankcars, works lb. .12½- —
Phthalic anhydride, cgs, c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19¼- —
Phthalimide, 97%-98%, dms., frt. alld lb. .65 - —
Phthalylsulfacetamide, 1,000-lb. lots or more lb. 5.00 - —
a-Picoline, ret. dms., c.l., works, frt. equald lb. .43 - .43¼
l.c.l., works, frt. equald lb. .44 - —
tanks, same basis lb. .415 - .422
b,g-Picoline, 5°, dms., c.l., works. lb. .32½- —
l.c.l., works lb. .33 - —
g-Picoline, 98%, dms., works lb. 2.00 - —
Pilocarpine hydrochloride, USP, bots oz. 5.25 - —
Nitrate, USP, bots., vials oz. 4.80 - 4.90
Pimento, Jamaican, bgs. lb. .83 - .86
Mexican, bgs. lb. .64 - .65
Pink root, bls. lb. 3.00 - 3.25
d-Piperazine hexahydrate, French Codex, bots kilo. 8.00 - 8.50
Piperidine, dist., dms., frt. equald. lb. 2.60 - 2.70
Piperonyl butoxide, dms., dlvd. E. lb. 4.50 - 5.05
Cyclonene, dms., dlvd. E lb. 3.70 - 4.25
Pitch, coaltar, 150°-170°F. m.p., tanks, works ton. 37.00 - —
Cottonseed, raw, dms., works lb. .02¼- .03
Linseed, dms lb. .06 Nom.
Marine, dms. lb. .04¼- .05
Petroleum (see Asphalt, petroleum).
Soybean, dms., works lb. .05 Nom.
Tall, dms., works lb. .03¾- .04¼
Plaster of Paris (see Gypsum).
Platinum metal, works oz. 97.00 - 107.00
Pleurisy root, bls. lb. .45 - .50
Podophyllum resin, NF, dms. lb. 14.25 - —
Poke root, bls. lb. .19 - .22



IN CHEMICALS *(Soaps and Detergents)*

Count on Enjay for fast product turnover

You get fast turnover when you make a better product. And uniform, high quality Enjay chemicals help make *your* products better. The Enjay Company supplies a diversified line of petroleum chemicals to the surface coating, chemical and petroleum industries. Through the facilities of the *new Enjay Laboratories*, you can be assured of the best application of Enjay products in your industry. *Next* time, call Enjay for your chemical needs.

PETROLEUM
PARANOX
PARATONE
PARAFLOW
PARAPOID
PARADYNE
PARATAC
PETROHOL
Methyl Ethyl Ketone
Dewaxing Aid
Ethyl Ether
Isopropyl Ether
Reference Fuels

RUBBER
ENJAY BUTYL
VISTANEX

SURFACE COATING
PETROHOL 91
PETROHOL 95
PETROHOL 99
JAYSOL
Secondary Butyl Alcohol
Secondary Butyl Acetate
Isopropyl Acetate
Acetone
Methyl Ethyl Ketone
Dicyclopentadiene
Ethyl Ether
Isopropyl Ether
Naphthenic Acids
Iso-Octyl Alcohol
Decyl Alcohol
Denatured Ethyl Alcohol

CHEMICAL
PETROHOL 91
PETROHOL 95
PETROHOL 99
JAYSOL
Iso-Octyl Alcohol
Decyl Alcohol
Denatured Ethyl Alcohol
Tridecyl Alcohol
Dicyclopentadiene
Isoprene
Butadiene
Ethyl Ether
Isopropyl Ether
Tetrapropylene
Tripropylene
Aromatic Tars
Benzene
Acetone
Methyl Ethyl Ketone

ENJAY

36 *successful years of leadership in serving industry*

Enjay Company, Inc. • 15 West 51st Street, New York 19, N.Y.
Other Offices: Akron • Boston • Chicago • Tulsa

IN SURFACE COATINGS *(Paint, Varnish and Lacquer)*

IN PETROLEUM *(Lubricants and Gasoline Additives)*

Polymyxin, bulk, bots., dms., 50 billion units or more, 1,000,000 units, .52 - —
25-50 billion units..1,000,000 units, .54 - —
1-25 billion units..1,000,000 units, .56 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000-lb. lots, works, lb. .43 - —
smaller lots, works lb. .46 - .48
tristearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000 lb. lots, works, lb. .43 - —
smaller lots, works lb. .46 - .48
Poppy seed, Argentine, bgs. lb. No prices.
Dutch, bgs. lb. .26 - —
Iranian, bgs. lb. .15 - —
Polish, bgs. lb. .25½- —
Turkish, bgs. lb. No prices.
Potash, caustic reg., flake, 88-92%, dms., c.l., works 100 lbs. 9.15 - —
l.c.l., works 100 lbs 10.20 - —
liq., 45% basis, dms., c.l., works 100 lbs. 4.25 - —
l.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis 100 lbs. 3.70 - —
solid, 88-92%, dms., c.l., works 100 lbs. 8.70 - —
l.c.l., works 100 lbs 9.75 - —
Potassium acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd dms lb. .24 - —
Bichromate, bgs., c.l., works lb. .16½- —
l.c.l., works lb. .17 - —
Potassium bichromate in dms ½c. higher.
Bitartrate, NF, dom., gran. or powd., bbls., 5,000 lbs., 1 ship't lb. .38½- —
dms., c.l. lb. .38 - —
smaller lots lb. .39 - .42
imp, kgs. lb. .29 - —
Bromate, dms., 1,000 lbs. or more, lb. .50 - —
25-200-lb. lots lb. .52 - .62
Bromide, USP, gran, bbls., kgs. lb. .56 - —
Carbonate, NF, gran., bbls., dms, lb. .20 - —
powd., bbls., dms lb. .21 - .22
tech., calcined, bbls., c.l., works, 100 lbs. 9.00 - —
l.c.l., same basis 100 lbs. 10.05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.65 - —
Chlorate, cryst., dms., c.l., works lb. .10¼- —
l.c.l., works lb. .10½- .11½
powd., dms., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - .12
export, dms., New York lb. .12¾- .13½
NF, gran., 25-lb. metal dms lb. .35 —
Chloride, agricultural (see Potassium muriate).
indust., bulk, c.l., works ton. 28.00 - —
bgs., c.l., works ton. 32.25 - —
USP, cryst., dms lb. .21 - .23
gran., dms lb. .15 - .17
powd., dms lb. .24 - .26
Chromate, tech., bgs lb. .50 - .50½
Citrate, USP gran., dms lb. .41 - —
powd., dms lb. .40¼- .41½
Cyanide, dms., 20,000-lb. lots or more, works lb. .45 - —
2,000-19,999-lb. lots, works lb. .455 - —
smaller lots, works lb. .465 - —
Dichromate (see Potassium bichromate)
Ferricyanide, dms., ton lots lb. .50 - —
Ferrocyanide, bgs., ton lots lb. .22½- —
smaller lots lb. .23 - —
Fluoborate, fib. dms., c.l., works, lb. .30 - —
l.c.l., works lb. .31 - —
Fluoride, dms., works lb. .37 - .38
Gluconate, dms. lb. 1.60 - —
Guaiacolsulfonate, NF, dms. lb. 2.10 - 2.30
Hydroxide, tech. (see Potash caustic).
USP, pellets 100-lb. dms., 1 to 100-dm. lots lb. .28½- .30
Hypophosphite, NF, fib. dms., ton lots or less lb. 1.00 - 1.03
Iodide, dms. lb. 1.90 - 1.95
Manure salt, 22% K_2O, base price, unit-ton. .17 - .1765
July forward unit-ton. .38 - —
Metabisulfite, gran. dms lb. .20 - .21
powd. dms lb. .25 - —
Muriate, 59-63% K_2O, bulk, c.l., works, base price unit-ton. .36 - —
July forward unit-ton. .38 - —
39-63% K_2O_2, bgs, c.l., works, base price ton. 26.00 - —
July forward ton. 27.20 - —
Nitrate, cryst., bbls., 20-ton lots, 100 lbs. 14.40 - —
smaller lots 100 lbs. 14.65 - 14.90
gran., bbls., 20-ton lots. 100 lbs. 9.75 - —
smaller lots 100 lbs. 11.10 - 11.50
powd., bbls., 20-ton lots. 100 lbs. 10.75 - —
smaller lots 100 lbs. 12.00 - 12.50
USP, gran., dms. lb. .18 —
Potassium nitrate in bags 50c. per 100 lbs. less in kegs, $1 more
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works ton. 191.50 - —
dms., ton lots, ex whs ton. 198.00 - —
smaller lots, ex whse ton. 302.50 - —
Powdered potassium pentaborate $10.25 per ton higher.
Perchlorate, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 - .19
Permanganate, coml., kgs., works, lb. .24½- .27¼
USP, dms., works lb. .27¼- .29
Persulfate, dms., 5-ton lots, works, lb. .18 - —
1-ton lots, works lb. .20 - —
Phosphate, tetrabasic, bbls., works, lb. .16½- .18¼
Prussiate, red (see Potassium Ferricyanide).
yellow (see Potassium Ferrocyanide).
Silicate, glass bgs., c.l., works 100-lbs. 17.00 - 17.30
l.c.l., works 100-lbs. 17.80 - —
soln, clarif., 29° Be, 1:2.5, dms., c.l., works 100-lbs. 5.80 - —
l.c.l., 5 dms. or more works 100-lbs. 6.55 - 6.95
tanks, works 100-lbs. 5.45 - —
electrical grade, 29° Be, 1:2.0 dms., c.l., works 100 lbs. 6.50 - —
l.c.l., 5 dms. or more, works 100 lbs. 7.25 - 7.65
tanks, works 100 lbs. 6.15 - —
40.5° Be, 1:2.1, dms., c.l., works 100 lbs. 6.45 - —
l.c.l., 5 dms. or more works 100 lbs. 7.20 - 7.60
Silicofluoride, bbls., works lb. .099 - .1040
Stannate, dms., frt. alld. E lb. .728 - .794
Sulfate, agricultural 50% K_2O, bulk, works, base price, unit-ton. .54 - —
July forward unit-ton. .67 - —
NF VII cryst., dms lb. .31 - .33
gran., dms lb. .16¼- —
powder dms lb. .16½- .17
Sulfocyanate, NF, cryst. (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms lb. .84 - .94
tech., works lb. .77 - .79
Titanate, ctns., c.l., works lb. .14 - —
5-ton lots, works lb. .14½- —
1-ton lot or less, works lb. .14¾- —
Toluene sulfonate, dms., c.l. or tl., works lb. .42 - —
l.c.l., works lb. .46 - —
Potassium-magnesium sulfate, bulk, works, basis 40% K_2SO_4, 18% MgO, base price ton. 13.45 - —
July forward ton. 14.00 - —

Potassium-sodium tartrate, NF, gran. powd., dms., c.l. lb. .40½- —
5,000-lb. lots lb. .41 - —
smaller lots lb. .41½- .47
Potassium-titanium fluoride, fib. dms, works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms, c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Pregnenolone, bots. gram. .45 - —
Acetate, bots. gram. .40 - —
Procaine hydrochloride, USP, dms., 1,000-lb. lots, frt. alld lb. 2.90 - —
100-lb. lots lb. 3.00 - 3.60
Progesterone, USP, bots., 100 gram lots gram .50 - —
Acetate, bots. gram .70 - —
Propane, indust., tanks, group 3, gal. .04½- —
N. Y. Harbor gal. .09 - —
n-Propyl acetate, dms., c.l., dlvd lb. .12¾- —
l.c.l., dlvd lb. .13¾- —
tanks, dlvd lb. .1075- —
Gallate, dms., 100 to 2,000-lb. lots works lb. 3.90 - 4.40
p-Hydroxybenzoate, USP dms lb. 2.30 - 2.40
Propyl thiouracil, bots., 50-kilo lots or more kilo. 55.00 - —
smaller lots kilo. 55.10 - 55.30
Prices in West 1c higher dlvd. on same basis
Propylene dichloride, dms., c.l., dlvd. E lb. .0825- —
l.c.l., same basis lb. .095 - —
tanks, same basis lb. .07 - —
Glycol, indust., dms., c.l., dlvd. E lb. .15½- —
l.c.l., same basis lb. .16½- —
tanks, same basis lb. .13½- —
USP, dms., c.l., dlvd. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .15½- —
Methyl ether, dms. c.l., dlvd. lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —

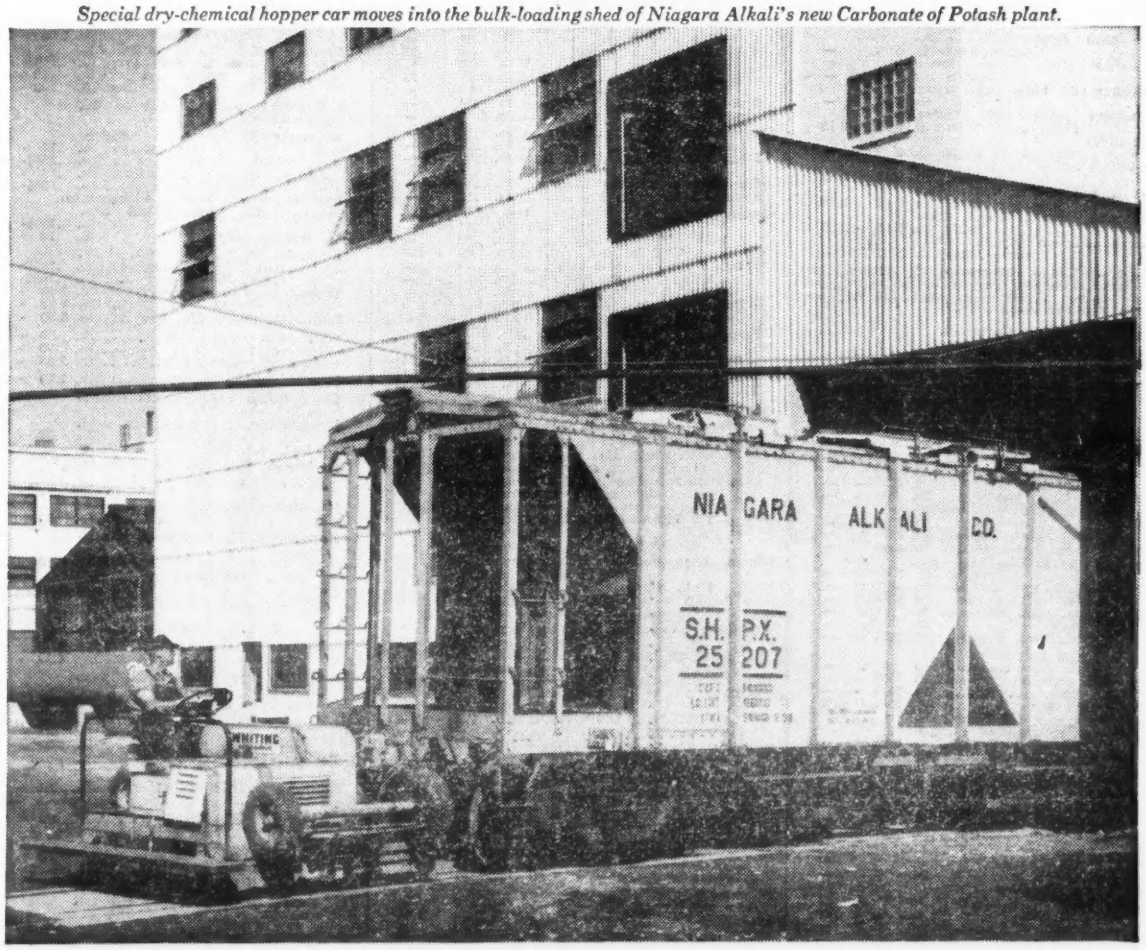
Propylene oxide, dms., c.l., dlvd. E. lb. .17½- —
l.c.l., dlvd. E lb. .18½- —
tanks, dlvd. E. lb. .15½- —
Psyllium seed, black, bgs. lb. .55 - —
blonde, bgs. lb. .18 - —
husks, bgs. lb. .40 - —
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .03⅜ .04¼
smaller lots lb. .03⅞ .04½
imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine bgs. ton lots lb. .04 —
sun dried coarse bgs ton lots lb. .02½ .04
fine bgs. ton lots lb. .02½ .04
Pumpkin seed, bgs lb. .25 - .26
Pyrethrin syn. (see Allethrin)
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works lb. .45 - —
powd., 1.3% pyrethrins, obls., works lb. .65 - —
liq. 20/1 basis (2 grams pyrethrins per 100cc odorless base), dms., works gal. 8.35 - 8.55
100/1 basis (10 grams pyrethrins per 100cc odorless base), dms., works gal. 41.75 - 42.75
oleoresin, dewaxed, 20%, dms., works lb. 9.80 - 9.90
purif. 20% dms., works lb. 10.00 - 10.10
Pyridine, denaturing, dms., c.l., works and frt. equald gal 2.77 - —
l.c.l., same basis gal 2.80 - —
refd., 2°, non-ret dms., l.c.l., same basis lb. .75 - —

Pyridoxine hydrochloride, bots., 100-gram lots gram .46 - —
Pyrites, Canadian, works long-ton 3.00 - 5.00
Pyrocatechol (see Catechol).
Pyrogallol, NF, dms. lb 3.27 - 3.30
Pyroxylin, scrap ungrd., amber, dms., works lb. 20 —
black, dms., works lb. 12 —
mixed mottled cms. works lb 13 —
shavings, amber, cs., works lb. No stocks.
mixed colors, dms. works lb. .11 —
white, china, ivory, dms., works lb. .16 —
dense opaque dms. works, lb. .12 .15
translucent pastels, cs., works, lb. .14 - —
transparent colorless, dms., works lb 25 - —
colors, dms. works lb 15 - —
USP bots lb 9.50 - —

Q

Quassia chips lb. .17 - —
Quebracho extract, clarif., grd., 70% tannin bgs. c.l., lb. .16¼- .16¾
liq., 35% tannin bbls. works, lb. .08¼- —
solid, clarif., 64% tannin, bgs., c.l., ex-dock, duty extra lb. .12 23/64
ord. 63% tannin, bgs., c.l., same basis lb. .11 21/32 —

Special dry-chemical hopper car moves into the bulk-loading shed of Niagara Alkali's new Carbonate of Potash plant.



Niagara's new plant means assured quality for you in

Nialk® CARBONATE OF POTASH

Niagara has recently completed a new plant for the manufacture of carbonate of potash. It is equipped with the latest and finest facilities for quality control and volume production.

As pioneer producers of electrochemicals, Niagara has consistently set new standards of purity and uniformity.

These new facilities, together with Niagara's long experience in the production of quality products, are your assurance of complete dependability in NIALK Carbonate of Potash. Why not benefit by the extra protection they provide in your products and processes?

NIAGARA ALKALI COMPANY
60 East 42nd Street, New York 17, N. Y.
Plant: Niagara Falls, N. Y.

Send for free illustrated booklet, NIALK CAUSTIC POTASH, CARBONATE OF POTASH *containing valuable data on the use and handling of these chemicals.*

Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 - —
liq., No. 1, bbls. l.c.l. lb. .19 - —
Quicksilver (see Mercury metal).
Quince seed, bgs lb. 2.00 Nom.
Quinidine sulfate, USP, cns., 100-oz. lots oz. .87 - —
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Bisulfate, USP, cns., 100-oz. lots, oz. .37½- —
Ethylcarbonate, NF, cns., 100-oz. lots oz. .63½- —
Hydrobromide, NF, cns., 50-oz. cns oz. .47½- —
Sulfate, USP, cns., 100-oz. lots oz. .42 - —
Quinine and Urea hydrochloride, NF, cns oz. .56 - —
Quinoline, dms., c.l., frt. equald lb. .50¾- —
l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

R

R salt, paste, dms., frt. alld., 100% basis lb. .88 - —
powd. frt. alld. 100% basis lb. .98 - —
Rauwolfia serpentina, root, powd., bbls, dms lb 2.00 3.00
Red, BON acid maroons, pure, bbls., lb 1.75 - —
resinated, bbls lb 1.50 - —
arylid, deep shades, bbls lb. 3.60 - —
light shades, bbls lb 2.75 - —
maroon bbls lb 3.60 5.90
Cadmium, CP, dark shade, bbls., frt. alld, E. of Rockies lb. 4.30 - —
light shade, bbls., same basis. lb. 4.00 - —
medium shade, bbls., same basis lb. 4.25 - —
medium light shade, bbls., same basis lb. 4.05 - —
orange shade, bbls, same basis lb. 3.95 - —
orange red, bbls., same basis. lb. 1.81 - —
Lithopone light red shades, bbls., same basis lb. 2.01 - 2.16
medium light red shades, bbls., same basis lb. 2.19 - —
medium red shade, bbls., same basis lb. 2.37 - 2.52
dark red shade, bbls., same basis lb. 2.57 - 2.82
maroon shade, bbls., same basis lb. 2.82 - 3.05
dark maroon shade, bbls., same basis lb. 3.02 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb higher; all prices are lc per lb higher ex whse Los Angeles and San Francisco
Carmine No. 40 (see Carmine).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.65 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .12¾- —
Iron oxide, nat., 75-85% ferric oxide, bgs. l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., bgs., c.l., works lb. .06 - —
Lake C toner, alizarin, bbls., works lb. 1.20 - —
Lithol toner, bbls., works lb. .90 - —
rubine toner, pure, bbls., works. lb. 1.50 - —
resinated, bbls., works lb 1.40 - —
Virginia type, bbls., works lb. 1.40 - —
Maroon toner, MNPT, kgs., c.l., works lb 3.60 - —
10,000-lb lots, works lb 4.22 - —
smaller lots, works lb 4.24 - —
Metallic, bbls., c.l., works lb. 02½- —
l.c.l., works lb 02¾- —
Naphthol, ITR, bbls., works lb. 5.25 - —
Oxide (see Red iron oxide).
Persian Gulf, bgs., c.l., works lb. .06¾- —
l.c.l works lb 07 - —
Para toner, bbls. lb. 1.10 - —
chlorinated, kgs lb 1.10 1.15
Phloxin toner (see Red eosin toner)
Rhodamine, molybdated, PMA, kegs lb 5.35 - —
tungstated, PTMA, works, kegs. lb. 6.40 - —
Spanish oxide, bbls., c.l., ex dock, lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidine toner, deep shades, kgs., works lb. 1.65 - —
light shades, kgs., works lb. 1.65 - —
Turkey, bbls., works lb. .62 - —
Tuscan, bbls. frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .0037
20% bgs. works lb. .0475- —
25% bgs. works lb. .0525- —
30% bgs. works lb. .0550- —
35% bgs. works lb. .0575- —
40% bgs. works lb. .0625- —
Watchung-type, bbls lb 1.95 - —
Red KB base (see 4-Chloro-2-aminotoluene).
Red, precipitate (see Mercuric oxide, red).
Red saunders, NF, powd., bbls lb. 35 40
Reserpine cryst., bots gram. 8.00 - 9.00
Resorcinol, tech grade dms, c.l., works, frt. equald lb. .77½- —
l.c.l., same basis lb. .78½- —
USP, dms., works lb. 2.75 - —
Monoacetate, NF, dms lb 3.00 3.25
Rhatany root, bgs lb .15 .16
Rhodinol, 5-lb. cans lb. 25.50 -34.00
Rhubarb root, India, whole, bgs lb. 1.75 Nom.
powd., bbls lb 2.50 Nom.
Riboflavin, USP, bots., dlvd. kilo. 80.00 —
readily soluble, bots., dlvd kilo. 130.00 —
5'-phosphate-sodium, bots., 100-kilo lots or more kilo. 140.00 —
Rochelle salt (see Potassium sodium tartrate).
Rosin gum and wood (see Naval Stores in Protective Coatings market).
Rotenone, fib, dms., works, 100% basis lb 10.00 - —
resin, 25-45%, fib dms., works, 30% basis lb. 3.00 - 3.30
Rottenstone, bgs., 5-ton lots, ex-whse lb .03 - —
ton lots, same basis lb. .04 - —
Rutin, NF, fib dms, 25-kilo lots, kilo. 17.50 -18.50
10 to 25-kilo lots kilo. 17.50 -20.00
1 to 10-kilo lots kilo. 18.90 -20.00
Ryania, 100%, powd., bgs., c.l., works lb. .22 - —
l.c.l., same basis lb. .24 - —

S

Sabadilla seed, powd., bbls lb. 49 45½
activated, ground with lime, bbls lb. .30 - .32
Saccharin, USP, cryst., soluble, dms., 1000-lb lots lb. 1.60 - —
smaller lots lb 1.70 1.80
works lb 77½ - —
l.c.l., works lb. .78½- —
Saccharin, USP, cryst., dms., works. lb. 2.75 - —
powd., dms., works lb. 2.95 - —
powd., soluble insoluble, dms. 1000-lb lots lb 1.65 - —
smaller lots lb. 1.75 - 1.95
Saffron, Spanish, USP, tins lb. 35.00 -40.00
Safrol, dms lb. 1.60 - —
Sage, Cretan, bgs lb. .11 - —
Dalmatian, bgs. lb. .44 - —
Italian lb. .25 - —
Sago flour, raw, bgs lb. .07 - .07¼
refd., bgs lb. .08½- .09
Sal soda (see Soda sal)
Salicylamide, 100-lb. dms lb. 1.00 - —
Salol, NF, gran., bbls., kgs lb. 1.15 - —
Powdered salol, 25c higher
Salt, rock, paper bgs., c.l 100 lbs. 1.01 - —
table, vacuum, common, fine, paper bgs., c.l 100 lbs. 1.19 - —
Saltcake, dom., bulk works, 100% Na2SO4 basis ton. 28.00 - —
Saltpeter (see Potassium nitrate).
Sandalwood, East Indies chips bgs. .65 .66
powd., fib dms lb. 75 76
Sarsaparilla root, unp., Honduras, bls lb. .58 .62
Mexican, bls. lb. .58 .62
Sassafras root bark, ord., bls lb .45 - —
select, bbls lb. 65 - —
Schaeffer's salt, paste, dms., frt. alld 100% basis lb 95 - —
powd. bgs., frt. alld., 100% basis. lb. .95 - —
Scopolamine hydrobromide, USP, bots oz. 17.40 - —
Seidlitz mixture, bbls., 5,000-lb. lots lb. .30½- —
smaller lots lb 31 32
Selenium, powd., dms., dlvd. 9.00 -10.50
Senega root, bls lb. 3.10 - —
Senna leaves, Alex., whole and half, bls lb .19 - —
siftings lb. .17 - —
Tinnevelly, No. 1, bls lb. .16 .18
No. 2, bls. lb. .13 .15
No. 3, bls. lb. .11 - .13
powdered, bbls., bxs lb. 16 - —
pods, bls. lb 14 - —
Serpentaria, root, bls lb. 5.50 - —
Sesame seed, Egyptian, nat. lb. .16¾- —
hulled lb. .21 - —
Nicaragua, hulled, shipt., bgs. lb. .27 - —
nat., bgs. lb. No prices.
Salvadorian natural lb. .17½- —
Syrian, bgs., natural lb. .16 - —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .61 - —
bbls., 1,500-lb. lots lb. .63 - —
kgs., 1,500-lb. lots lb. .64 - —
refd., bgs., 1,500-lb. lots lb. .69 - —
bbls., 1,500-lb. lots lb. .71 - —
kgs., 1,500-lb. lots lb. .72 - —
Bonedry shellac prices for less than 1,500 lb lots 1c. per lb higher for all packages.
Lemon No. 1, bgs., 10-bg. lots. lb. .55 - .56
No. 2, bgs., 10-bg. lots lb. .53 - .54
Superfine bgs., 10-bg. lots lb. .50 - .51
TN, bgs., 10-bg. lots lb. .49 - .50
Shellac in 1 to 10-bg. lots 1c. per lb. more.
Shingle stain oil (see Oil, shingle stain).
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., works ton. 25.00 —
l.c.l., works, exwhse ton. 45.00 -55.00
hard-quartz, 99½, 325 mesh, bgs. c.l., works ton. 20.00 —
l.c.l., works ton. 25.00 -30.00
140 mesh, bgs., c.l., works ton. 15.00 - —
l.c.l., works ton. 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .18 - —
l.c.l., works lb. .22 - .30½
tanks, works lb. .17 - —
Silver bullion, ingots, cs Troy oz. .90½- —
Cyanide, fib, dms., 2,500-oz. lots, oz. .82¼- —
1,000-oz. lots oz. .82⅝- —
500-oz. lots oz. .82¾- —
100-oz. lots oz. .83 - —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .58½- —
1,000-oz. lots lb. .60 - —
500-oz. lots lb. .60¼- —
250-oz. lots lb. .60¾- —
USP granular silver nitrate 4c. per oz higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots. dms. 1,000-oz. lots oz 1.00 - —
Soapbark, whole, bls lb. .45 - —
crushed, bls., bbls lb. .55 - —
powd., bbls lb. .55 - —
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.80 - —
l.c.l., stock points 100 lbs. 2.90 - 4.67
bbls., c.l., works 100 lbs. 2.40 - —
l.c.l., stock points 100 lbs. 3.55 - 4.22
bulk, c.l., works 100 lbs. 1.50 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., stock points 100 lbs. 3.85 - 4.62
bbls., c.l., works 100 lbs. 2.30 - —
l.c.l., stock points 100 lbs. 3.35 - 5.62
bulk, c.l., works 100 lbs. 1.45 - —
caustic, flake, 76%, dms., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., stock points 100 lbs. 5.60 - —
liq., 50% sellers, tanks, works, dry basis 100 lbs. 2.80 - —
rayon type, sellers' tanks, works, dry basis 100 lbs. 2.80 - —
70%, sellers' tanks, works, dry basis 100 lbs. 2.90 - —
rayon-type, sellers tanks,' works, dry basis 100 lbs. 2.90 - —
solid, 76%, dms., c.l., works. 100 lbs. 4.10 - —
l.c.l., stock points 100 lbs. 5.30 - —
Sal., conc., bgs., c.l., works. 100 lbs. 2.30 - —
smaller lots, works 100 lbs. 2.60 - —
Sodium acetate anhyd. egs., c.l., works lb. .13 - —
dms., c.l., works lb. .13¾- —
NF, 60% gran., dms., c.l., works lb. .14 - —
l.c.l., works lb. .15½- —
Alginate, NF, white powd., dms., ton lots, works lb. .87 - 1.30
refd. bbls works lb. .83 - —
p-Aminobenzoate, dms., 1,000-lb. lots or more lb. 2.40 - —
smaller lots lb. 2.45 - 2.50
p-aminosalicylate, dms., 1,000-lb. lots or more, frt. adjusted lb. 3.75 - —
smaller lots same basis lb. 3.80 - 4.25
Antimoniate, bbls., c.l., dlvd. E. lb. .28 - —
l.c.l. dlvd E lb. .29½- —
Arsenate, dms., c.l., works lb. .12½- —
l.c.l., works lb. .13¾- .14¼
Arsenite, dms., c.l., works lb. .12¼- —
l.c.l., works lb. .13 - .14½
soln., dms., works gal. .59 - .67
Ascorbate, dms., 25-50 kilo lots kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
1-kilo lots kilo. 17.00 - —
bots 500-gram lots kilo. 17.50 - —
Benzoate, tech., bbls., dms., 100-lb. lots or more lb. .39 - —
USP, bbls., dms., 100-lb. lots, or more lb. .46 - —
Sodium bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.60 - —
l.c.l., works 100 lbs. 3.55 - —
powd., bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 3.15 - —
Bichromate, bgs., c.l., works lb. .12¼- —
l.c.l., works lb. .12¾- .13¼
Bifluoride, bbls., c.l., works, frt. equaled lb. .18½- —
l.c.l., same basis lb. .1890- —
Bisulfate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l., frt. equald 100 lbs. 3.00 - 3.60
l.c.l., frt. equald 100 lbs. 3.50 - 4.10
Bisulfite, anhyd., bgs., c.l., works, 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - —
soln., 35°, bbls., c.l., works. 100 lbs. 1.55 - —
l.c.l., works 100 lbs. 2.05 - —
Borate (see Borax).
Bromide, USP, bbls., works lb. .36 - —
Carboxymethyl cellulose (see CMC).
Carbonate, cryst., monohydrated (see Soda, sal).
monohydrated bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.40 - —
Chlorate, cryst., dms., c.l., works, lb. .09 - —
l.c.l., works lb. .10½- .11¼
Chloride, tech (see Salt).
USP bgs. lb. .05 - .12
Chlorite, tech., dms., c.l., works, lb. .58 - —
20-ton lots or more, works, lb. .66 - —
smaller lots works lb. .70 - .73
Chloroacetate, tech., dms., c.l., works lb. .27 - —
l.c.l., works lb. .28 - —
Chromate, dms., c.l., works lb. .13¼- —
l.c.l., same basis lb. .13¾- .15
Citrate, anhyd., dms lb. .62 - —
NF VIII, gran., dms lb. .26½- .27½
USP, XIV gran., dms lb. .29½- .30½
Sodium citrate, USP, powd. prices higher. ½c.
Cyanate, dms., 1,000-lb. lots, works lb. .85 - 1.10
smaller lots, works lb. 1.00 - 1.25
Cyanide flake, 96-98%, dms., c.l., or 20,000-lb. lots lb. .178 - —
over 1,000-lb lots lb. .188 - —
100-lb. to 1,000-lb. lots lb. .198 - —
Granular sodium cyanide 1c. higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .15 - —
l.c.l., works lb. .15¾- —
anhyd., dms., c.l., works lb. .18 - —
l.c.l., works lb. .18¾- —
Dichromate (see Sodium bichromate).
Ferrocyanide, bgs., 10-ton lots. lb. .13½- —
smaller lots lb. .14 - —
Fluoride, white, 97%, fib. dms., c.l., works, frt. equald lb. .1390- —
l.c.l., works lb. .1430- —
Formate, bgs., c.l., works lb. 7.60 - —
l.c.l., works 100 lbs 8.65 - —
Gentisate, 100-lb. fib. dms lb. 6.50 - —
Gluconate, refd., dms lb. .80 - .83
tech, dms lb. .35 - —
Glutamate, mono., dms., c.l. lb. 1.55 - —
Hydride, dms., works lb. 1.80 - 3.00
Hydrosulfide (see Sodium sulfhydrate).
Hydrosulfite, dms., c.l., frt. alld. lb. .22 - —
l.c.l., frt. alld lb. .22½- —
Hydroxide, tech. (see soda caustic).
NF, pellets, 100-lb. dms., 1 to 100-dm. lots lb. .18½- .23
Hypophosphite, NF, dms., ton-lots or less lb. .95 - .98
Hyposulfite, NF (see Sodium thiosulfate)
pea crystals, bgs 100-lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
photo grade, bgs., c.l., works, 100 lbs. 4.50 - 4.75
l.c.l., works 100 lbs. 5.00 - 5.05
tech., bgs., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - 6.90
Sodium hyposulfite crystals in bbls., 50c. higher.
Iodide, USP, bots., dms lb. 2.55 - 2.62
Lactate, edible, 50%, cbys., dms., works lb. .21½- —
60% cbys., dms., works lb. .26½- —
Lactate, tech., 50%, cbys., dms., works lb. .16½- —
Lauryl sulfate, dms., c.l., dlvd lb. .21 - —
l.c.l., dlvd lb. .22 - —
tanks, dlvd lb. .18½- —
Metabisulfite (see Sodium bisulfite).
Metaborate, octahydrate, gran., bgs., c.l., works ton. 85.00 - —
l.c.l., ex whse ton. 135.50 -140.50
sodium metaborate octahydrate in bbls, $24.50 per ton higher.
Tetrahydrate, dms., c.l., works. ton. 204.00 - —
Metallic bricks, 14,000-lb. lots or more, works lb. .17 - .19
less than 14,000-lb. lots, works. lb. .175 - .195
tanks, works lb. .16 - —
Metanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.35 - —
l.c.l., works lb. 5.65 - 7.55
dms., c.l. 100 lbs. 5.75 - —
l.c.l. 100 lbs. 6.10 - 8.00
Pentahydrate, bgs., c.l., works. 100 lbs. 4.10 - —
l.c.l., works 100 lbs. 4.45 - 6.35
dms., c.l., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 5.10 - 5.85
Molybdate, anhyd., dms., dlvd lb. .88 - —
cryst., dms., works lb. .69 - .73
Monohydrate (see Sodium carbonate monohydrated).
Naphthionate, bbls lb. .70 - —
Nitrate, crude, dom., bgs., c.l., works ton. 47.00 - —
bulk, c.l., works ton. 43.50 - —
tmp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ton. 51.25 - —
bulk c.l. same basis ton. 47.75 - —
Nitrite, USP, bbls., c.l., works, frt. equaled lb. .08 - —
l.c.l., same basis lb. .09½- —
Orthosilicate, conc., dms., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.65 - 7.25
hydrated, flake, bbls., c.l., works 100 lbs. 5.40 - —
l.c.l., works 100 lbs. 7.30 - 7.65
Oxalate, 88%, bgs., works lb. 10.88 - —
Para-aminobenzoate (see Sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate).
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25 - —
l.c.l., same basis lb. .26½- .33
pellets, bgs., c.l. same basis lb. .25 - —
l.c.l., same basis lb. .26½- .33
powd., bgs., dms., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .25½- .33
Pentachlorophenate, 20,000 lbs., min. truckloads, ¼c. per lb. over carlot prices.
Sodium perborate, NF, tech., bgs., c.l., works lb. .173 - —
l.c.l., works lb. .178 - —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .1860- —
l.c.l. same basis lb. .1910- .1960
Phenosulfonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., frt. equald 100 lbs. 7.45 - —
l.c.l., works 100 lbs. 7.85 - —
USP dried powd. bgs., dms., works lb. .19 - .20½
monobasic anhyd., bgs., c.l., frt. equald 100 lbs. 8.70 - —
l.c.l., frt. equald 100 lbs. 9.10 - 9.70
duohydrate, bgs., c.l., frt. equald 100 lbs. 7.20 - —
l.c.l., frt. equald 100 lbs. 7.60 - 8.20
tribasic, anyhd., bgs., c.l., frt. equald 100 lbs. 8.65 - —
l.c.l., frt. equald 100 lbs. 9.05 - 9.65
cryst., bgs., c.l., t.l., frt. equald 100 lbs. 4.40 - —
l.c.l., frt. equald 100 lbs. 4.80 - 5.40
Sodium phosphates in dms., 60c. higher than bgs.
Prussiate, yellow (see sodium ferrocyanide)
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.60 - —
l.c.l., works 100 lbs. 11.35 -11.60
ferric, dms., 1,500-lb. lots, works lb. .38½- —
smaller lots, works lb. .41½- .43¼
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.52½- —
l.c.l., frt. equald 100 lbs. 7.92½- 8.52½
Salicylate, USP, dms lb. .71 - .74
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.25 - —
l.c.l., dlvd., zone 1 100 lbs. 4.00 - 4.25
zone 2 100 lbs. 4.25 - 4.50
zone 3 100 lbs. 4.65 - 4.80
zone 4 100 lbs. 5.25 - 5.50
Sales zones are: (1) All States E. of Miss. R and N of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia and St. Louis; (2) Ark E of 98° Ga.; Iowa (except Davenport), Minn.; Mo (except St. Louis), Neb., E of 98° N C., S. C., Tenn and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La and Miss No of 31°; (3) Ark W of 96°, Kan., Neb W of 98°; N D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah Wyo. and El Paso Tex.
Sesquisilicate, hydrated, bgs., c.l., works 100 lbs. 4.80 - —
l.c.l., works 100 lbs. 6.40 - 8.50
dms., c.l., works 100 lbs. 5.20 - —
l.c.l., works 100 lbs. 7.15 - 7.40
Silicate, liq., 40° Be, 1:3.2, turbid, dms., c.l., works 100 lbs. 1.35 - —
l.c.l., works 100 lbs. 1.70 - 2.20
tanks, works 100 lbs. 1.00 - —
47° Be, turbid, 1:2.9, dms., c.l., works 100 lbs. 1.95 - —
l.c.l., cms., works. 100 lbs. 2.55 - 2.80
tanks, works 100 lbs. 1.60 - —
52° Be, turbid, 1:2.4, dms., c.l., works 100 lbs. 2.30 - —
l.c.l., works 100 lbs. 2.65 - 3.15
tanks works 100 lbs 1.95 - —
solid, 1:3.2, bgs., works ton. 57.50 - —
Silicofluoride, bgs., c.l., works. lb. .075 - —
l.c.l., works lb. .079 - —
Sodium silicofluoride in dms., 4/10c higher
Stannate, dms., works, frt. alld. E lb. .603 - .657
Sulfa drugs (see Sulfa name)
Sulfanilate, bbls., works lb. .22 - —
Sulfate, NF, VII, dried, powd., dms lb. .22½- —
tech. anhyd., bgs., c.l. dlvd., E ton. 52.00 - —
detergent grade, bgs., c.l., works ton. 34.00 - —
rayon grade, bgs., c.l., works. ton. 31.00 - —
USP cryst. fib dms lb. .17½- .18
gran. fib. dms lb. .17½- .18
Sulfide, flake, dms., c.l., works, E., frt. equald lb. .05¼- —
l.c.l., same basis lb. .05¾- —
fused, bbls., c.l., works, E., frt. equald lb. .04¾- —
l.c.l., same basis lb. .05¼- —
Sulfite, anhyd., bgs., c.l. 100 lbs. 3.00 - —
l.c.l. same basis 100 lbs 3.50 - —
powd., bbls., c.l., works 100 lbs. 7.25 - —
l.c.l., works 100 lbs. 7.50 - —
Sulfhydrate, flake, 70-72%, dms., c.l., works lb. .06½- —
l.c.l., works lb. .07 - —
liq. 40-44%, tanks, works, 100% basis ton. 115.00 - —
Sulfocyanide CP (see Sodium thiocyanate).
Tetraborate (see Borax).
Tetrasulfide, liq., 40%, dms., c.l., works lb. .03½- —
l.c.l., works lb. .04 - —
Thiocyanate, CP, dms lb. .55 - .65
tech., anhyd., 1 ton lots or more, works lb. .317 - —
less than ton lots, works lb. .337 - —
Thiosulfate, NF, cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½- —
5-ton lots, works lb. .10¾- —
1-ton or less, works lb. .11 - —
Toluene sulfonate, dms., c.l., or t.l. lb. .38 - —
l.c.l. lb. .42 - —
Trichloracetate, 90%, 100-lb. dms., c.l., frt. alld. E lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50 lb. dms., c.l., frt. alld E. lb. .38 - —
l.c.l., frt. adjusted E lb. .40 - —
10-lb. cns., c.l., frt. alld. E. lb. .44 - —
l.c.l., frt. adjusted E lb. .46 - —
Prices on Sodium trichloroacetate W. of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 7.87½- —
l.c.l., same basis 100 lbs. 8.27½- 8.87½
Trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 8.65 - —
l.c.l., works 100 lbs. 9.40 - 9.80
dms., c.l., works 100 lbs. 9.05 - —
l.c.l., works 100 lbs. 9.80 -10.30
Tungstate, tech., kgs., dlvd. E lb. 2.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 - —
l.c.l., same basis lb. .21½- —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb lots or more works lb. .28 - —
smaller lots, same basis lb. .30 - —
Solvent naphtha, coaltar, high flash, tanks, frt. equald gal. .31 - .35
petroleum (see Petroleum solvent, partial aromatic).

Sorbitan monostearate, fib. dms., 20,000-lb. lots, works	lb.	.32	—
10,000 to 20,000-lb. lots, works	lb.	.34	—
smaller lots, works	lb.	.37	.39
Tristearate, fib. dms., 20,000-lb. lots works	lb.	.33	—
10,000 to 20,000-lb. lots, works	lb.	.35	—
smaller lots works	lb.	.38	.40
Sorbitol, cryst., resin grade, pellets, dms., c.l., works	lb.	.23	—
1 to 5-ton lots, works	lb.	.25	.26
powd., dms., 1- to 5-ton lots, works	lb.	.38	.39
soln., coml., aqueous, dms., c.l., works	lb.	.24¼	—
ton lots works	lb.	.25	—
smaller lots, works	lb.	.25¼	—
tanks works	lb.	.23¼	—
reg., 70%, aqueous, dms., c.l., works	lb.	.16	—
ton lots works	lb.	.16¾	—
smaller lots, works	lb.	.17	—
tanks works	lb.	.15	—
Soybean meal, 44%, bulk, Decatur	ton.	51.50	—
protein, chemically isolated, bgs., c.l., works	lb.	.23	—
mechanically refd., bgs., l.c.l., works	lb.	.066	—
Sparteine sulfate, cns	oz.	.80	.85
Spearmint leaves, dom. bls	lb.	.75	—
Spruce extract, liq., reg. tanks, works	lb.	.01¾	—
powd. super. bgs., c.l. works.	lb.	.05¼	—
l.c.l. works	lb.	.05½	—
Squill, white, bls	lb.	.16	.18
powd., bbls., bxs	lb.	.17	.20
St. John's bread, edible, bls	lb.	.13	.15
Stannic chloride, anhyd., dms., works	lb.	.818	.828
Oxide, dms., dlvd. E	lb.	1.10	1.11
Stannous chloride, anhyd., dms., works	lb.	.952	1.22
Hydrous, cryst., dms., works.	lb.	.83	.84
Sulfate, dms., works	lb.	1.005	1.045
Starch, corn pearl, paper bgs., c.l.	100 lbs.	7.13	—
l.c.l.	100 lbs.	7.28	—
powd., paper bgs., c.l.	100 lbs.	7.25	—
l.c.l.	100 lbs.	7.40	—
Prices for corn starch in cotton bags, 25c per 100 lbs higher.			
Potato, dom., Idaho, bgs., c.l., works	lb.	.06	—
Maine, bgs., c.l., works	lb.	.05½	—
ex whse, N. Y.	lb.	.06	.06¾
Rice, bgs., l.c.l.	lb.	.15½	.16
Wheat bgs	lb.	.0755	.078
Star root (see Helonias root).			
Stargrass Root (see Aletris root).			
Staveacre seed, bgs	lb.	.60	.61
Stearine oleo (see Oleostearine).			
Stomach substance, not USP, 100-lb. fib. dms	lb.	2.80	—
Stramonium leaves, bes	lb.	.18	.20
Streptomycin hydrochloride, bulk,	gram.	.063	.07
Strontium bromide, NF, cns., dms.	lb.	.75	.84
Carbonate, pure, dms., 5-ton lots or more, works	lb.	.35	—
1-ton lots, works	lb.	.37	—
tech., dms., works	lb.	.19	—
Chromate, bbls., works	lb.	.46	—
Iodide, jars, 25-lb. lots	lb.	3.42	—
Nitrate, bbls., c.l., works	100 lbs.	11.00	—
l.c.l., works	100 lbs.	12.00	—
Salicylate, NF, dms	lb.	1.75	—
Sulfate, air floated, 90%, 325 mesh, bgs., works	ton.	56.70	-66.15
Strophanthin, K, bots	oz.	25.00	-25.50
G. (see Ouabain, USP).			
Strophanthus seed, Komot, biologically tested, bgs	lb.	3.50	- 3.75
Strychnine, NF powd. cns., 100-oz. lots	oz.	1.10	—
Phosphate, NF, cns., 100-oz. lots	oz.	1.14	—
Sulfate USP, cryst., cns., 25-oz. lots	oz.	.96	—
powd. 100-oz. lots	oz.	.85	—
Styrax USP, cs	lb.	.78	.80
Styrene monomer, polymer grade, 99½%, dms., c.l., frt. alld.	lb.	.22½	—
l.c.l., same basis	lb.	.23½	—
tanks, same basis	lb.	.20½	—
synthetic rubber grade, 99%, dms., c.l., frt. alld.	lb.	.18½	—
l.c.l., same basis	lb.	.19½	—
tanks, same basis	lb.	.16½	—
Styrolyl acetate, bots	lb.	1.45	1.70
Sucrose, crude, bgs., dlvd., N. Y.	lb.	.0555	—
refd., white, bgs., refy., E	lb.	.0655	—
Octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works	lb.	.76	—
Sugar (see Sucrose, crude, refined).			
Sulfabenzamide, dms	lb.	4.00	- 4.50
Sodium, dms	lb.	4.10	- 4.60
Sulfacetamide, fib. dms	lb.	4.00	- 4.20
Sodium fib. dms	lb.	5.00	- 5.20
Sulfadiazine, USP, microcrystals, dms.	lb.	10.60	-11.10
powd. dms	lb.	10.25	-10.75
Sulfadiazine-sodium, USP, dms	lb.	11.25	-11.75
microcrystals, dms.	lb.	11.60	-12.10
Sulfaguanidine, USP dms	lb.	2.50	—
Sulfamerazine, USP, microcrystals.	lb.	10.65	-11.15
Sulfamerazine-sodium, USP, dms.,	lb.	11.25	-11.75
Sulfamethazine, microcrystals, dms.,	lb.	8.90	- 9.40
powd., dms	lb.	8.50	- 9.00
Sulfanilamide, USP, 30-80 mesh., dms	lb.	1.40	- 1.60
microcrystals, dms.	lb.	1.70	- 1.90
powd., dms	lb.	1.30	- 1.50
Quinoxaline, veterinary, dms	lb.	6.40	- 6.75
Sulfapyridine, NF powd., bots., tins.	lb.	7.00	- 7.50
Sulfapyridine-sodium, monohydrate, dms	lb.	7.50	- 8.00
Sulfathiazole, USP, microcrystals, dms.	lb.	2.85	- 3.00
powd., dms	lb.	2.50	- 2.65
Sulfathiazole-sodium, USP, dms	lb.	2.75	- 2.90
Sulfur, coml., flour, bgs., mines. 100 lbs.	lbs.	2.30	—
bbls., mines	100 lbs.	3.05	—
lump, bgs., mines	100 lbs.	2.20	—
bbls., mines	100 lbs.	2.65	—
crude, bulk, c.l., mines, contract.	long-ton.	26.50	—
export, f.o.b. vessels, Gulf ports	long-ton.	31.00	—
domestic and Canada, f.o.b. vessel Gulf port	long-ton.	28.00	—
refd., flowers, USP, bgs., mines.	100 lbs.	4.00	—
bbls.	100 lbs.	5.25	—
flour, light, bgs., mines	100 lbs.	3.60	—
bbls., mines	100 lbs.	4.50	—
lump, bgs., mines	100 lbs.	3.30	—
rolls, bgs., mines	100 lbs.	3.85	—
bbls., mines	100 lbs.	4.40	—
salt block, bgs. mines	100 lbs.	3.50	—
virgin block, bbls., mines.	100 lbs.	3.45	—
rubbermakers, coml., reg., bgs., mines	100 lbs.	2.40	—
bbls., mines	100 lbs.	3.55	—
98-100% passing through 325 mesh, bgs., mines	100 lbs.	2.50	—
bbls., mines	100 lbs.	3.65	—
refd., bgs., mines	100 lbs.	3.25	—
bbls. mines	100 lbs.	4.30	—
treated, 2.5% mineral oil, bgs., mines	100 lbs.	2.70	—
bbls., mines	100 lbs.	3.85	—
10% pine tar, bgs., mines.	100 lbs.	3.90	—
Sulfur dichloride, dms., c.l., works, frt. equald.	lb.	.04	—
l.c.l., same basis	lb.	.04¾	—
tanks, same basis	lb.	.03¾	—
Dioxide, liq., coml., cyls., works, frt. equald.	lb.	.10	.12
multi unit cars, works	lb.	.0535	—
tanks, works	lb.	.045	—
refrigeration, cyls., dlvd.	lb.	.27	—
Monochloride, 55-gal., dms., c.l., frt. equald.	lb.	.04	—
l.c.l., same basis	lb.	.04¾	—
tanks, same basis	lb.	.03¾	—
Sumac leaves, 28%, bgs., ex-dock,	ton.	132.00	—
ground, bgs., ex-dock	ton.	127.00	—
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Balto. unit-ton.		.88	.91
Carteret, N. J. unit-ton.		.88	.91
triple, 48% or more, a.p.a., pulv., bulk, c.l., East Tampa, Fla. unit-ton.		.98	—

T

2,4,5-T, dms., c.l., works, frt. equald.	lb.	1.25	—
l.c.l., same basis	lb.	1.30	2.30
Isopropyl ester, dms., c.l., works, frt. equald.	lb.	1.30	—
l.c.l., works	lb.	1.35	—
Talc, dom., ord., Calif., grd., bgs., c.l., works	ton.	32.00	-38.50
Vermont off color grd., bgs., c.l., works	ton.	18.40	—
l.c.l., works	ton.	36.00	—
fibrous, New York, grd., bgs., c.l., works	ton.	27.00	—
l.c.l., works	ton.	30.00	-35.00
99.5%, 325 mesh, bgs., c.l., works	ton.	30.00	—
Talc, domestic, fibrous, New York, 99.5%, 325 mesh, bgs., l.c.l., works	ton.	33.00	—
99.95% micronized, bgs., works	ton.	37.00	—
imp., Canadian, grd., bgs., c.l., mines	ton.	20.00	35.00
Tallow, edible, tanks, dlvd	lb.	.09⅜	—
inedible, extra, tanks, dlvd	lb.	.07⅝	—
fancy, bleachable, tanks, dlvd.,	lb.	.07⅞	—
guaranteed, dms., f.a.s.	lb.	.09½	—
No. 1, tanks, dlvd	lb.	.07	—
special tanks, dlvd	lb.	.07⅜	—
sulfonated, 25%, bbls., l.c.l	lb.	.08¾	.09
50%, bbls., l.c.l	lb.	.09¾	.10¼
Tankage, animal, feeding, 9-11% ammonia, bulk	unit-ton.	4.25	—
Chicago, bulk	unit-ton.	4.50	—
Tapioca flour, Brazilian, bgs., ex whse	lb.	.07¾	.08¼
Siamese, top grade, bgs., ex whse	lb.	.07½	.07¾
Tar acid oil, 15-18%, dms., c.l., frt equald	gal.	.47	.49
l.c.l., same basis	gal.	.50	.51
tanks, same basis	gal.	.39	—
25-28%, dms., c.l., same basis,	gal.	.54	.56
l.c.l., same basis	gal.	.57	.58
tanks, same basis	gal.	.46	—
50-53%, dms., c.l., same basis,	gal.	.70	- .72½
l.c.l., same basis	gal.	73½	- .74½
tanks, same basis	gal.	.62½	—
Coal (see Coaltar).			
Tartar, emetic (see Antimony-potassium tartrate).			
Terpine glycol ether, dms., c.l., works	lb.	.23½	—
l.c.l., works	lb.	.25½	—
tanks, works	lb.	.22	—
Hydrate, NF, cryst., powd., fib. dms	lb.	.67½	.74
Terpineol, dms., l.c.l, dlvd. E	lb.	.20¾	—
extra, dms	lb.	.41	.60
prime, dms	lb.	.30	.45
Terpinyl acetate, extra, cns., dms.	lb.	.60	.75
prime, dms	lb.	.55	.70
Propionate, dms	lb.	1.75	- 2.00
Terra alba (see Gypsum).			
Testosterone, USP, 100-gm. lots, bots	gram.	.70	—
Propionate, USP, 100-gm. lots, bots	gram.	.68	—
Tetrachloroethane, dms., works	lb.	.14½	—
Tetrachloroethylene, tech (see Perchloroethylene).			
USP 55 gal. dms., works	lb.	.20½	- .21½
smaller dms., works	lb.	.23½	- .25
Tetraethyl orthosilicate, dms., c.l., dlvd. E	lb.	.61½	—
l.c.l., dlvd. E	lb.	.62½	—
Pyrophosphate, 40%, cns., dms., frt. equald	lb.	.75	—
Tetraethylenepentamine, dms., c.l., dlvd. E	lb.	.49	—
l.c.l., dlvd. E	lb.	.50	—
tanks, dlvd. E	lb.	.47	—
Tetrahydrofuran, dms. c.l., or t.l., works	lb.	.36½	—
l.c.l., or l.t.l., works	lb.	.37	—
tanks, works	lb.	.35	—

NM CH_3NO_2

NE $CH_3CH_2NO_2$

THE CSC NITROPARAFFINS

New Stars

to give new direction

to the chemical industry

2-NP $CH_3CHNO_2CH_3$

1-NP $CH_3CH_2CH_2NO_2$

PHYSICAL PROPERTIES

	NM (Nitromethane) CH_3NO_2	NE (Nitroethane) $CH_3CH_2NO_2$	1-NP (1-Nitropropane) $CH_3CH_2CH_2NO_2$	2-NP (2-Nitropropane) $CH_3CHNO_2CH_3$
Molecular Weight	61.04	75.07	89.09	89.09
Boiling Point at 760mm, °C	101.2	114.0	131.6	120.3
Azeotrope with Water, bp, °C	83.6	87.1	91.2	88.4
NP in azeotrope, % by weight	77.1	73.6	64.5	73.1
Vapor Pressure at 20°C, mm	27.8	15.6	7.5	12.9
Evaporation Rate, by volume*	139.0	121.0	88.0	110.0
Freezing Point, °C	−29.0	−90.0	−108.0	−93.0
Specific Gravity at 20/20°C	1.139	1.052	1.003	0.992
Density of Vapors (air = 1.00)	2.11	2.58	3.06	3.06
Weight per U.S. Gallon at 68°F, lb	9.48	8.75	8.35	8.24
Coefficient of Expansion, per °F	0.00064	0.00062	0.00056	0.00058
Refractive Index, n_D at 20°C	1.3818	1.3916	1.4015	1.3941
Surface Tension at 20°C, dynes/cm	37.0	31.3	30.0	30.0
Heat of Vaporization at 30°C, calc., cal/g	143.3	124.8	107.3	104.4
Heat Capacity at 25°C, cal/g	0.422 30°C	0.441	0.471	—
Dielectric Constant at 30°C	35.76	28.00	23.22	25.48
Ignition Temperature, °F	785.0	778.0	789.0	802.0
Flash Point, °F (Tag Open Cup)	112.0	106.0	120.0	103.0
pH 0.01M Aqueous Solution at 25°C	6.4	6.0	6.0	6.2
Solubility in Water at 20°C, % by volume	9.5	4.5	1.4	1.7
Solubility of Water in NP at 20°C, % by volume	2.2	0.9	0.5	0.6

*N-Butyl Acetate = 100

NP DERIVATIVES ALSO AVAILABLE

AB (2-Amino-1-butanol)
AEPD (2-Amino-2-ethyl-1, 3-propanediol)
AMPD (2-Amino-2-methyl-1, 3-propanediol)
AMP (2-Amino-2-methyl-1-propanol)
NB (2-Nitro-1-butanol)
NEPD (2-Nitro-2-ethyl-1, 3-propanediol)
NMPD (2-Nitro-2-methyl-1, 3-propanediol)
NMP (2-Nitro-2-methyl-1-propanol)
ALKATERGES
TRIS AMINO (Tris [hydroxymethyl] aminomethane)
TRIS NITRO (Tris [hydroxymethyl] nitromethane)
HAS (Hydroxylammonium Acid Sulfate)
HC (Hydroxylammonium Chloride)
HS (Hydroxylammonium Sulfate)

SAMPLES ON REQUEST

Here are the Nitroparaffins—NM(Nitromethane), NE(Nitroethane), 1-NP(1-Nitropropane) and 2-NP(2-Nitropropane). These four NP's have a potential range of usefulness unequalled by any other group of organic chemicals! CSC's new Nitroparaffin plant at Sterlington, La., is now in full production. Additional facilities for increased volume of NP derivatives are nearing completion.

In many cases, they provide better and more economical methods of manufacturing well-known and widely used industrial chemicals. However, the majority of the reactions yield entirely new compounds. There are practically an unlimited number of products which can be prepared from the NP's. As solvents, they present an unusual combination of properties—they are medium-boiling, mild-odored and, most important of all, they have strong solvent power for a wide variety of substances, including many coating materials, waxes, resins, gums, dyes, fats and oils, and numerous organic chemicals. The CSC Nitroparaffins are chemistry's newest stars. They give new direction to the production of old products and the development of new.

COMMERCIAL SOLVENTS CORPORATION

260 MADISON AVENUE NEW YORK 16, N. Y.

CSC INDUSTRIAL CHEMICALS

Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd ..... lb. 12.50 - 15.00
Sulfate, 99%, bots., dlvd ..... lb. 8.00 - 13.00
Theobromine, NF, fib, dms ..... lb. 4.00 - —
And sodium acetate, USP, fib, dms lb. 4.20 - —
Sodio-Salicylate, NF, fib, dms lb. 3.50 - —
Theophylline, anyhd or USP, 100-lb. dms lb 3.65 - —
Thiamine hydrochloride, USP, regular or ampul-type, fib dms, kilo. 80.00 - —
Mononitrate, USP, fib dms kilo. 80.00 - —
Thiocarbanilide, dms., ton lots lb. .72 - —
less tons lots lb. .74 - —
Thiodiphenylamine (see Phenothiazine).
Thiourea, tech., dms., c.l., frt. alld, lb. .36 - —
l.c.l., works lb. .38 - —
Thorium nitrate, purif., fib dms., 100-lb. lots or more, works lb. 3.50 - —
dl-Threonine, bots., 1-kilo lots, kilo. 450.00 - 500.00
Thyme leaves, French, bgs ..... lb. .19 - .22½
Spanish, bgs. ..... lb. .09 - —
Thymol, fib, dms ..... lb. 2.25 - 2.35
Iodide, NF, dms ..... lb. 7.30 - —
Timbo root (see Cube root)
Tin chloride (see Stannous chloride, anhydrous).
crystals (see Stannous chloride, hydrous).
Metal (Straits) ..... lb. 1.05¾ - —
Oxide (see Stannic oxide).
Tin sulfate (see Stannous sulfate).
Tetrachloride anhyd. (see Stannic chloride, anhydrous).
Titanium dioxide anatase, chalk-resistant, bgs., c.l., dlvd lb. .24½ - —
l.c.l., dlvd ..... lb. .25½ - —
ceramic, bgs., c.l., dlvd .... lb. .22½ - —
l.c.l., dlvd. ..... lb. .23½ - —
reg., bgs., c.l., dlvd ..... lb. .22½ - —
l.c.l., dlvd ..... lb. .23½ - —
metallurgical, nat., gran., bgs., c.l., f.o.b. Jacksonville, Fla. ton. 120.00 - —
Niagara Falls, N. Y., c.l., ton 137.50 - —
5-ton lots ..... ton. 142.50 - —
ton lots ..... ton. 147.50 - —
rutile, nonchalking, bgs., c.l., dlvd. E lb. .26½ - —
l.c.l., dlvd E ..... lb. .27½ - —
Milled titanium dioxide $7.50 per ton higher.
Hydride, cns., works ..... lb. 7.95 - 9.00
Pigment, calcium-rutile base, reg., bgs., c.l., dlvd lb. .09¼ - —
l.c.l., works ..... lb. .09¾ - —
high-tinting, dms., c.l. ..... lb. .09 - —
l.c.l. ..... lb. .09½ - —
Tetrachloride, tech., dms., c.l., works lb. .40¾ - —
l.c.l., works ..... lb. .43¾ - —
tanks, works ..... lb. .39¾ - —
dl-a-Tocopherol, bots ..... kilo. 149.65 - —
Acetate, bots ..... kilo. 136.00 - —
o-Tolidine base, dry or paste, 100% basis, kgs lb. 1.40 - —
Hydrochloride, paste, 100% basis, lb. 1.35 - —
Tolu balsam, cns. ..... lb. 4.25 - 4.50
Toluene (see Toluol).
p-Toluenesulfonamide, powd., dms., works lb. .70 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
l.c.l., same basis ..... lb. .80 - —
tanks, same basis ..... lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld lb. .23 - —
l.c.l., same basis ..... lb. .24 - —
tanks, same basis ..... lb. .22 - —
p-Toluidine, flake, dms., frt. alld lb. .64 - —
solid, dms., frt. alld. ..... lb. .60 - .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa. ..... gal. .34 - —
Birmingham dist. ..... gal. .32 - —
Chicago dist ..... gal. .35 - —
Cleveland dist. ..... gal. .32 - —
Geneva, Utah ..... gal. .26 - —
Johnstown, Pa. ..... gal. .32 - —
Lackawanna, N. Y. ..... gal. .33 - —
Lone Star, Tex. ..... gal. .33 - —
Lorain, Ohio ..... gal. .32 - —
Middletown, Ohio .... gal. .33½ - —
Minnequa, Colo. ..... gal. .32 - —
Philadelphia district .. gal. .34 - —
Pittsburgh dist ..... gal. .32 - —
Sparrow's Point, Md gal. .34 - —
Terre Haute, Ind ... gal. .35 - —
Youngstown, Ohio ... gal. .32 - —
Petroleum, indust., 2°, tanks, works:—Albany, N. Y. gal. .35 - —
Bayonne, N. J. ..... gal. .34 - —
Baytown, Tex. ..... gal. .33 - —
Chicago, Ill. ..... gal. .35 - —
Detroit, Mich ..... gal. .35 - —
Houston, Tex ..... gal. .33 - —
Philadelphia, Pa. ..... gal. .34 - —
Providence R. I. ..... gal. .35 - —
Wood River, Ill. ..... gal. .25 - —

look...

it's

TITANOX®

The white coating on these venetian blinds was pigmented with TITANOX-RA—the rutile "pure" titanium dioxide white pigment. Because of its maximum hiding power, TITANOX-RA is especially useful in flexible thin films, on metallic surfaces. On products that must withstand bending or forming—containers, collapsible tubes, etc.—TITANOX-RA is your No. 1 choice in white pigments. Titanium Pigment Corporation, 111 Broadway, New York 6, N. Y.; Atlanta 5; Boston 6; Chicago 3; Cleveland 15; Houston 2; Los Angeles 22; Philadelphia 3; Pittsburgh 12; Portland 14, Ore.; San Francisco 7. In Canada: Canadian Titanium Pigments Limited, Montreal 2; Toronto 1.

3786-A

2,4-Tolylenediamine, cryst., fib. dms., c.l., frt. alld. lb. .97 - —
l.c.l., frt. alld ..... lb. 1.00 - —
powd., fib. dms., same basis .... lb. 1.00 - —
Tonka beans, Angostura, cks .... lb. 1.65 - 1.80
Brazilian, Surinam, cs ..... lb. 1.00 - 1.25
Totaquine, 100-oz. lots, cns ..... oz. .42 - —
Toxaphene, dms., c.l., t.l., works, lb. .20 - —
l.c.l., l.t.l., works ..... lb. .26 - —
Triacetin, dms., c.l., dlvd. E. of Rockies lb. .39 - —
l.c.l., same basis ..... lb. .40 - —
tanks, same basis ..... lb. .37 - —
Tributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .42 - —
l.c.l., frt. alld. E. of Denver, lb. .43 - —
tanks, frt. alld. E. of Denver, lb. .40 - —
Phosphate, dms., c.l., works .. lb. .52 - —
tanks, same oasis ..... lb. .50 - —
Tributylamine, cms., c.l., works lb. .67 - —
l.c.l., same basis ..... lb. .68 - —
tanks, same basis ..... lb. .65 - —
Trichlorobenzene, dms., c.l., works, frt. alld. E lb. .14½ - —
l.c.l., frt. alld. E ..... lb. .15½ - —
tanks, frt. alld. E ..... lb. .13 - —
Prices in the West 1¾c higher.
Trichloroethylene, dms., c.l., or t.l., works, frt. equald lb. .11¾ - —
l.c.l., dlvd. E ..... lb. .13¾ - —
tanks, works, frt. equald ..... lb. .10¾ - —
1,1,1-Trichloroethane, dms. c.l., works lb. .14 - —
l.c.l., works ..... lb. .14½ - —
tanks, works ..... lb. .12½ - —
Tricholine citrate, 65% soln., ret. cbys. works, frt adjusted lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .36½ - —
l.c.l., dlvd ..... lb. .37½ - —
tanks, dlvd ..... lb. .34½ - —
petroleum, dms., c.l., dlvd lb. .36½ - —
l.c.l., dlvd. ..... lb. .37½ - —
tanks, dlvd. ..... lb. .34½ - —
Triethanolamine, dms., c.l., dlvd. E lb. .24 - —
l.c.l., same basis ..... lb. .25 - —
tanks, same basis ..... lb. .22 - —
Triethylamine, dms., c.l., works, dlvd. E lb. .47 - —
tanks, same basis ..... lb. .45 - —
Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .45¾ - —
l.c.l., frt. alld. E. of Denver, lb. .46¾ - —
tanks, frt. alld. E. of Denver, lb. .43¾ - —
Phosphate, dms., c.l., works .. lb. .38 - —
l.c.l., same basis ..... lb. .39 - —
tanks, same basis ..... lb. .37 - —
Triethylene glycol, dms., c.l., dlvd. E lb. .20½ - —
l.c.l., same basis ..... lb. .21½ - —
tanks, same basis ..... lb. .18½ - —
Triethylenetetramine, dms., c.l., dlvd. E lb. .49 - —
l.c.l., dlvd. E ..... lb. .50 - —
tanks, dlvd. E ..... lb. .47 - —
Tri-isopropanolamine, dms., c.l., dlvd. E. lb. .22¾ - —
l.c.l., dlvd. E ..... lb. .23¾ - —
tanks, dlvd. E ..... lb. .20¾ - —
Trimethylamine 25-40% soln., dms., c.l., works, frt. equald., 100% basis lb. .42 - —
l.c.l., works, frt. equald, 100% basis lb. .42½ - —
tanks, works, frt. equald, 100% basis lb. .33 - —
Trioxane, pure, dms., c.l., t.l., dlvd. E lb. .50 - —
l.c.l., dms., dlvd. E ..... lb. .51½ - —
Tripentaerythritol, bgs., l.c.l., works. lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .40 - —
l.c.l., frt. equald ..... lb. .41 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripropylene glycol, dms., c.l., frt. alld E lb. .20½ - —
l.c.l., frt. alld. E lb. .21½ - —
Prices 1c. per lb. higher in West.
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic).
Phosphate (see Sodium phosphate tribasic)
Trypsin, pharmaceutical, 1:75, dms., works lb. 6.25 - —
dl-Tryptophane, fib, ctns., works. kilo. 165.00 - —
Tungsten metal powd., 98.8%, dms., dlvd lb. 4.35 - 4.40
Turpentine, gum (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots ..... gram. .75 - .85

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, 46% N, indust., bgs., c.l., t.l., dlvd. E ton. 120.00 - —
l.c.l. dlvd. E, ex whse ton. 140.00 - —
45% N, agricultural, bgs., c.l., (30 tons), dlvd., E ton. 105.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va ton. 126.00 - —
C grade, tankcars, same basis. ton. 124.50 - —
37 grade tankcars, same basis. ton. 153.00 - —
Urethane, USP, dms ..... lb. 1.50 - —
Uva-ursi leaves, bls ..... lb. .12 - .14

V

Valerian root, Belgian, bgs ..... lb. .38 - .40
dl-Valine, dms., works lb. 21.00 - 27.50
Valonia beards, 40-42% tannin, bgs., exdock ton. 77.00 - 78.00
cups, 28-30% tannin, bgs., exdock ton. 54.00 - —
extract, powd., 63% tannin, bgs., ex-dock, duty extra lb. .08 - —
Vanadium pentoxide, tech., dms., works lb. 1.28 - 1.33
Vanilla beans, Bourbon, tins .... lb. 6.50 - 7.00
Mexican, cuts, tins ..... lb. 7.75 - —
whole, tins ..... lb. 8.50 - —
Tahiti, cs. ..... lb. 6.00 Nom.
Vanillin, ex eugenol, tins, 25-lb. lots. lb. 6.50 - 6.75
smaller lots ..... lb. 6.90 - 7.25
ex lignin, dms., 25-lb. lots ..... lb. 3.00 - —
smaller lots ..... lb. 3.05 - 3.15
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .18½ - —
l.c.l., dlvd. E ..... lb. .19½ - —
tankcars, dlvd. E ..... lb. .16½ - —
tanktrucks, less than 4,000 gal., dlvd. E lb. .17½ - —
n-Butyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Chloride monomer, tanks, works, lb. .11 - —
Ether, USP, anasthesia, bots., 50 c.c., hospitals, bot 1.12 - —
75 c.c. ..... bot 1.56 - —
tech., dms., c.l., works ..... lb. .26 - —
l.c.l., works ..... lb. .28 - —
tanks, works ..... lb. .25 - —
Isobutyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —

ADVERTISEMENT— *This entire page is a paid advertisement* *Prepared by U. S. Industrial Chemicals Co.*

U.S.I. CHEMICAL NEWS

Jan.-Feb. ★ A Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1956

Phosphoric Acid Plant Planned by U.S.I.

Plans to build a new plant at Tuscola, Illinois to produce wet-process phosphoric acid have been announced by U.S.I.

Annual production capacity will be 60,000 tons of 75% phosphoric acid, produced from sulfuric acid and phosphate rock by a process developed by the S. A. Metallurgique de Prayon, a Belgian company. Singmaster and Breyer will engineer and construct the plant, which is expected to start operating at the end of 1956.

U.S.I. already produces sulfuric acid, ammonia and nitrogen solutions at Tuscola. The addition of phosphoric acid to this range of fertilizer raw materials will substantially expand the scope of U.S.I.'s service to fertilizer manufacturers in the mid-west farm belt.

U.S.I. Changes to 55 Gallon Drum Filling

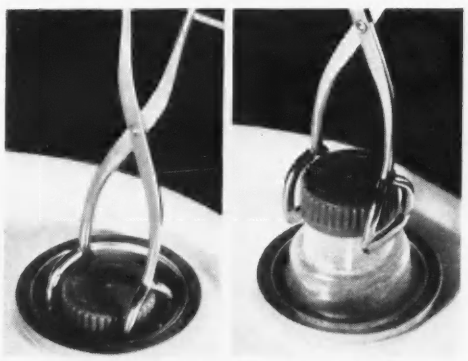
As of January 1 U.S.I. is using a new drum for shipment of SOLOX® Proprietary Solvent Alcohol and a number of other solvents. This new standard drum is gradually being adopted by most suppliers, and will eventually become standard for all U.S.I. products. Net capacity is 55 gallons—the older one contained 54.

Because of the stocks of filled drums maintained in U.S.I. warehouses for customer convenience, 54 gallon drums will be shipped until inventory is depleted.

New Folder Aids U.S.I. Alcohol Users

Five-gallon drums of U.S.I. ethyl alcohol, USP come equipped with the FlexSpout* closure, a leakproof, tamperproof polyethylene spout which offers alcohol users greater convenience in handling and pouring. Five-gallon drums of SOLOX®, U.S.I.'s proprietary denatured alcohol solvent, and many other U.S.I. chemicals and solvents are also equipped with this closure.

An illustrated folder now available from U.S.I. describes the closure and shows how it can best be opened. Although mentioned only briefly in the folder, some users have discovered that a pair of ordinary kitchen tongs, the kind normally used for handling baby bottles, also makes an excellent opener for the FlexSpout. The technique is illustrated below.



*®Rieke Metal Products, Auburn, Ind.

WORLD'S FIRST COMMERCIAL ISOSEBACIC ACID PLANT PLANNED BY U.S.I. FOR 1957

New Intermediate Shows Promise In Plastics Industry For Plasticizing And Other Functions

The first commercial plant in the world for the production of isomers of sebacic acid, known as "U.S.I. Isosebacic" acid, will be built at Tuscola, Illinois. Initial production capacity of the plant will be 10 million pounds per year and completion of the plant is scheduled for early in 1957. Catalytic Construction Company of Philadelphia, will be engineers and contractors for the project.

"U.S.I. Isosebacic" acid is a mixture of isomers of sebacic acid in approximately the following proportions:

2-ethyl-suberic acid	72-80%
2,5-diethyladipic acid	12-18%
Sebacic acid	6-10%

This new product is the result of more than three years of research which began under the auspices of a National Distillers' fellowship at the University of Cincinnati and progressed through the company's research laboratory. For the last two years, "U.S.I. Isosebacic" acid has been in pilot plant production, first at U.S.I.'s former Fairfield plant and more recently in the company's new pilot plant facilities at the Cincinnati Research Laboratory.

The Cincinnati pilot plant will continue to operate to supply samples and to develop further process refinements until the Tuscola plant comes on stream.

Over 400 research laboratories already have received samples of "U.S.I. Isosebacic" acid for evaluation. The product shows considerable promise as a raw material for vinyl resin plasticizers with excellent low-volatility, non-migration, and low-temperature characteristics.

Other promising applications include: the production of polyamide (nylon type) molding powders, coatings, and adhesives; and the production of sebacic acid derivatives for use as plasticizers, lubricants, and surface active agents.

MORE

"U.S.I. Isosebacic" acid goes into plasticizers for vinyl resins, which are used to make items such as the plastic curtains shown here.

Minimum Daily Methionine Requirement Reaffirmed

Recent research has reaffirmed that for healthy adults, a minimum daily intake of 1.1 gm. of methionine is required to maintain positive nitrogen balance in humans.

As with other amino acids, the exact amount varies slightly from one individual to another, but appears to be independent of body weight, surface area or creatinine output.

D-Methionine, in contrast to the behavior in man of the D-isomers of all other essential amino acids, proved during tests to be equally as effective as DL-methionine in the maintenance of nitrogen balance. From this it follows that the L-isomer has no greater metabolic activity than the Racemic mixture (DL-methionine).

The amount of 1.1 gm. of either the L- or the DL-isomer was tentatively established as the minimum daily requirement of man, and 2.2 gm. was recommended as a safe daily intake.

Sodium Dispersion Package Units Can Now Be Purchased

Two package sodium dispersion units have been placed on the market by the Cowles Dissolver Company, Cayuga, N. Y. Both models, the 1000-2000 ml laboratory unit and the 3-7 gallon pilot unit, have been designed jointly by Cowles and the U.S.I. Research Department.

Although all the necessary parts, from motor drive to thermometer are contained in these package units, heart of each model is the Cowles "Dissolver", the particular impellor design that has been found extremely efficient in dispersing sodium in an inert organic medium.

The laboratory unit consists of 2 liter resin flask, metal thermometer, copper coil condenser, dropping funnel and 3" Cowles "Dissolver". Heat is furnished by Glas-Col electric heating mantle. The "Dissolver" is attached to ½" shaft connected by flexible

MORE

ADVERTISEMENT— *This entire page is a paid advertisement* *Prepared by U. S. Industrial Chemicals Co.*

Jan.-Feb. ★

U.S.I. CHEMICAL NEWS

★ 1956

CONTINUED

Isosebacic

ing and extrusion plastics and adhesives; alkyd resin manufacture, to impart flexibility and water resistance to the surface coating film; the synthesis of ester lubricants of the type used in jet propelled aircraft; the production of polyester resins used in the manufacture of glass reinforced plastics; the synthesis of polyurethane resins for foamed plastics, synthetic rubber and protective coatings.

This new chemical is produced by a novel process for which the principal raw materials are butadiene, a petrochemical, and sodium, of which U.S.I. is an important producer. Tuscola was chosen as the location for the new plant because of the availability of raw materials at this site — hydrocarbons from National Petro-Chemicals Corporation as well as sulfuric acid and other raw materials from the adjacent U.S.I. installation.

Electrical Grades, U.S.I. Polyethylene, Introduced

The PETROTHENE® 300 series of electrical grade polyethylene resins has just been introduced to meet the variety of electrical specifications for infantry field wire, line wire covering, TV lead-in wire, high frequency and high voltage insulation and, in general, all wire and cable insulating and jacketing applications.

Melt indexes for the uncompounded grades are as follows:

PETROTHENE 300 — 0.3
PETROTHENE 301 — 1.0
PETROTHENE 302 — 2.8

Each of these types is also supplied compounded with antioxidant, with antioxidant and carbon black, with non-discoloring antioxidant, and with non-discoloring antioxidant and carbon black, as well as with other colors.

PETROTHENE 300 and 301, uncompounded materials, can also be used for other applications requiring very high molecular weight material, and requiring high toughness and resistance to environmental stress cracking. Blow molded bottles and closures that are exposed to solvent type detergents, cosmetics, etc., are possible applications.

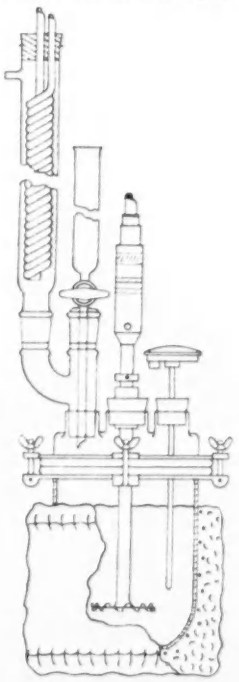
CONTINUED

Sodium

coupling to high speed motor.

The laboratory procedure for preparing dispersed sodium is described in the U.S.I. brochure "Sodium Dispersions". Sodium, dispersing medium and dispersing aid are charged into flask and heated to 110-120°C and whole system kept under dry nitrogen atmosphere. Baffling is not required. Once temperature is above the melting point of sodium, the motor is started and allowed to reach 4000-5000 rpm. range. Particle size of 2-20 microns (checked with a microscope with a calibrated eyepiece) is obtained in 6-8 minutes.

No loss in dispersing efficiency has been observed in scaling up from laboratory to pilot plant. For example, preparation of 3-4 gallons of sodium dispersion in 5-gallon vessel with 6" "Dissolver" may be accomplished in 10-20 minutes. Sodium particle size averages 6-8 microns with maximum of 15 microns.



SODIUM DISPERSION PACKAGE UNIT (LABORATORY MODEL)

TECHNICAL DEVELOPMENTS

Information about manufacturers of these items may be obtained by writing U.S.I.

Temporary window closures of polyethylene film are being used on construction jobs, permitting work to continue in bad weather. Film has blocked winds up to 65 miles per hour, holds in heat, admits daylight. **No. 1130**

Film badges for detecting radiation are now available to insure personnel protection in x-ray and radioisotope labs, industrial plants doing gamma radiography, and doctor's and dentist's offices. Badges read from .05 to 300 r. **No. 1131**

New refined liquid lanolin has high solubility, stability, versatility in drugs and cosmetics. Amber-colored oil is result of 11-step refining process. Properties same as lanolin except non-tacky, lower melting point. **No. 1132**

Polyethylene gas scrubber, recently developed, resists chemical attack at temperatures up to 170°F. Will be used with hydrofluoric acid and fluorides. Designed for gas flow of 2500 cu. ft./min. at 1½ psi. **No. 1133**

New volatile solvent concentrate acts as strong synergist with low-cost solvents, boosting dissolving power and drying performance. Does not burn, imparts fire extinguishing properties, has relatively low toxicity. **No. 1134**

To hold temperatures close to Absolute Zero, new type refrigerator has been developed based on cyclic principle of magnetic cooling. No moving parts or flowing fluids. First apparatus to both produce and maintain extreme cold over long periods. **No. 1135**

Colored aluminum for architectural use now made possible by treating anodized aluminum with new lightfast organic dyes. The colored anodic films are part of metal surface itself—will not peel, chip or scale. **No. 1136**

Succinic acid, organic polybasic acid, now available commercially for formulation of plasticizers, polyesters, alkyd resins, paints, drugs, cosmetics, chemical intermediates. **No. 1137**

Paper made wholly from nylon fiber, produced commercially for first time, is many times stronger than conventional types. Resists action of chemicals, mold, bacteria, light. Absorbs little moisture. **No. 1138**

Aqueous calcium stearate dispersion has been developed to improve coating formulations for machine coated papers. Product improves gloss, effective plasticizing, water repellency; provides lubrication, non-dusting, good flow. **No. 1139**

PRODUCTS OF U.S.I.

AGRICULTURAL CHEMICALS:

Ammonia, Anhydrous—Commercial and refrigeration grades in tank cars or tank wagons.

Nitrogen Fertilizer Solutions—Aqueous solutions of ammonium nitrate and ammonia in all standard analyses.

Sulfuric Acid—All strengths from 60 Baumé to 40% Oleum. Also Electrolyte grade meeting Federal Specifications. Tank cars or tank wagons.

OTHER PRODUCTS:

Alcohols: Ethyl (pure and all denatured formulas), Normal Butyl, Amyl, Fusel Oil; Proprietary Denatured Alcohol Solvents SOLOX®, FILMEX®, ANSOL® M, ANSOL® PR.

PETROTHENE® Polyethylene Resins.

Inorganic Chemicals: Caustic Soda, Chlorine, Metallic Sodium, Sodium Peroxide.

Esters, Ethers and Ketones: Normal Butyl Acetate, Dibutyl Phthalate, Diethyl Carbonate, Diethyl Oxalate, Ethyl Acetate, Ethyl Ether, Acetone.

Intermediates and Fine Chemicals: Acetoacetarylides, Ethyl Acetoacetate, Ethyl Benzoylacetate, Ethyl Chloroformate, Ethylene, Ethyl Sodium Oxalacetate, Sodium Ethylate solution, Urethan USP (Ethyl) Carbamate).

Animal Feed Products: Calcium Pantothenate, Choline Chloride Products, Curbay B-G® 80, Special Liquid Curbay®, DL-Methionine, Niacin USP, Riboflavin Concentrates, Vitamin B_{12} and Antibiotic Feed Supplements, Vacatone® 40, Vitamin A, D_2 and K_3 products.

Pharmaceutical Products: DL-Methionine, N-Acetyl-DL-Methionine, Riboflavin USP, Urethan USP, Intermediates.

U.S.I INDUSTRIAL CHEMICALS CO.
Division of National Distillers Products Corporation
99 Park Avenue, New York 16, N. Y.

U.S.I. SALES OFFICES

Atlanta • Baltimore • Boston • Buffalo • Chicago • Cincinnati
Cleveland • Dallas • Detroit • Houston • Indianapolis • Kansas City, Mo.
Los Angeles • Louisville • Minneapolis • Nashville • New Orleans
New York • Philadelphia • Pittsburgh • Portland, Ore. • Salt Lake City
San Francisco • Seattle • St. Louis

Vinyl methyl ether, cyls., works lb. .23 - —
tanks, works lb. .20 - —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Trichloride (see Trichloroethane).
2-Vinylpyridine, dms., works lb. 1.40 - 1.50
Vinyltoluene, dms., c.l., frt. alld lb. .18½ - —
l.c.l., frt. alld lb. .19½ - —
tasks, frt. ald lb. .16½ - —
Viosterol, in alcohol, 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units, .025 - —
lots of 1 billion USP units, 1,000,000 units, .03 - —
lots of less than 1 billion USP units, 1,000,000 units, .035 - —
in nat., vegetable oil, 400,000 to 1,000,000 D units per gram, bots., lots of 10 billion USP units 1,000,000 units, .02 - .04¾
lots of 1 billion USP units, 1,000,000 units, .025 - .05¼
lots of less than billion USP units, 1,000,000 units, .03 - .03¾
Vitamin A acetate, syn., crystalline, beads 500,000 A units per gram gram, .07¼ - —
dry, 500,000 units per gram kilo lots kilo.67.50 - —
325,000 units per gram, same basis kilo.43.88 - —
250,000 units per gram, same basis kilo.33.75 - —
Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.
liq., in oil, 1,000,000 A units per gram 1,000,000 units, .10 - —
Palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units, .10 - —
in oil, 1,000,000 A units per gram 1,000,000 units, .10 - —
B_1 (see Thiamine hydrochloride).
B_2, (see Riboflavin).
B_c complex, natural (see Rice bran concentrate and Yeast).
B_{12}, crystalline, 1-gram or 5-gram vials gram.245.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity gram.185.00 - —
C (see Acid, ascorbic).
D (see Oils, coalliver and fish-liver, Calciferol, and Viosterol).
D_2, dry, 850,000 units per gram, kilo lots kilo.42.50 - —
less than kilo lots kilo.45.00 - —
E (see a-Tocopherol and Oil, wheat germ).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gram bots gram 4.50 - —
Violet methyl toner (see Blue methylviolet toner).
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root, bark, bls lb. 2.25 - —
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb. 1.95 - —
25-49-lb. lots, N. Y. or Chicago, lb. 2.05 - —
5-24-lb. lots, cns., N. Y. or Chicago lb. 2.15 - —
Wattle bark, fair average, African, bales, ex dock ton.99.00 - —
merchantable, bales, ex dock.ton.96.00 - —
extract, liq., 35% tannin, bbls lb. .09¾ - .10
solid, E. Africa, 60% tannin, bgs., ex dock, duty extra lb. .09¾ - —
S. Africa, 60% tannin, bgs., ex dock, duty extra lb. .10 - —
Wax, amorph. (see Wax microcrystalline).
Bayberry, bgs lb. .43 - .45
Bees, crude, African, bgs lb. .72 - .74
Brazilian, bgs lb. .70 Nom.
Central American, bgs lb. .65 Nom.
Chilean, bgs lb. .70 - —
refd., USP, bleached, white bricks, 100-lb. ctns lb. .81 - .84
slabs, 100-lb. ctns lb. .80 - .83
yellow, bricks, 100-lb. ctns.lb. .75 - .77
slabs, 100-lb. ctns lb. .74 - .76
Candelilla, crude, bgs lb. .52 - .53
refd., bgs lb. .55 - .56
Powdered candellila, 20 mesh, 7c. per lb. higher. 80 mesh, 7c.; 100-200 mesh, 8c.
Carnauba, chalky, bgs., ton tots, lb. .57 - .59
North country No. 2, bgs., ton lots lb. .65 Nom.
pure refd., bgs., ton lots, lb. .71 - .73
No. 3, Ceara, crude, bgs., ton lots lb. .59 - .60
refd., pure, bgs., ton lots lb. .67 - .68
tech., bgs., ton lots lb. .62 - .63
Parnahyba, crude, bgs., ton lots lb. .60 - .62
refd., pure, bgs., ton lots lb. .67 - .68
yellow No. 1, Ceara, bgs., ton lots lb. 1.08 - 1.10
Parnahyba, bgs., ton lots lb. 1.12 - 1.13
Powdered carnauba wax price differentials same as powdered candelilla.
Japan, cs lb. .46 - .47
Microcrystalline, 170-175°F., m.p., ASTM, penetration 15-20 ctns., 20,000 lbs., group 3, works lb. .13½ - .14½
smaller lots, same basis, lb. .14½ - .15½
black, ctns., 20,000 lbs., same basis lb. .12 - .13
smaller lots, same basis, lb. .13 - .14
white, ctns., 20,000 lbs., same basis lb. .24½ - .25½
smaller lots, group 3, works lb. .25½ - .26½
180°-185°F. m.p., ASTM, penetration, 7-11; amber, ctns., 20,000-lb. lots, same basis, lb. .16½ - —
smaller lots, same basis, lb. .17½ - —
black, ctns., 20,000 lbs., same basis lb. .15 - —
smaller lots, same basis, lb. .16 - —
white, ctns., 20,000 lbs., same basis lb. .27½ - —
smaller lots, same basis, lb. .28½ - —
190°-195°F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb. .20½ - —
smaller lots, same basis, lb. .21 - —
black, ctns., 20,000 lbs., same basis lb. .18½ - —
smaller lots, same basis, lb. .19 - —
white, ctns, 20,000 lbs., same basis lb. .34 - —
smaller lots, same basis, lb. .35 - —
Montan, dom., refd., bgs lb. .27 Nom.
imp., crude, Bohemian, bgs lb. No prices.
German, bgs lb. No prices.
Ouricury, refd., pure, bgs lb. .80 - .82
tech., bgs lb. .75 - .77
Paraffin (see P).
Wax, spermaceti, blocks, cs lb. .30 - .33
cakes cs lb. .31 - .34
Sugar cane, dom., refd., slabs, 80 lbs. ctns., works lb. .65 - .75
spot lb. .67½ - .72½
White lead (see Lead, White).
White pine bark, rossed, bls lb. .18 - .19
White precipitate, USP, powd., dms., lb. 6.55 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb. .18 - .19
rossed, bls lb. .19 - .22
Witch hazel, bark, bls lb. .16 - .17
leaves, bls lb. .20 - —
Wollastonite, fine, bgs., c.l., works, ton 39.50 - —
l.c.l., ex whse ton 56.00 - —
medium, bgs., c.l., works ton 27.00 - —
l.c.l., ex whse ton 44.00 - —
Woolfat, crude (see Degras), USP (see Lanolin).
Wormseed, American, bgs lb. .20 - .25
Levant, bgs lb. 4.25 - 4.50

X

Xylene (see Xylol).
Xylenol, cryst., 58°-60°C., m.p., dms., l.c.l., works lb. .40 - —
56°-58°C., dms. l.c.l., works, frt. equald lb. .30 - —
45°-47°C., dms., c.l., same basis, lb. .212 - —
l.c.l., same basis lb. .215 - —
tanks, same basis lb. .199 - —
fraction, b.r. 7°-9°C., dry above 227°C., dms., c.l., same basis, gal. .96 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —
Xylenol, fraction, b.r. 7°-9°C., dry at or below 227°C., dms., c.l., same basis gal. 1.11 - —
l.c.l., same basis gal. 1.14 - —
tanks, same basis gal. 1.00 - —
Xylidines, mixed, o-m-p, dms., c.l., truckload, works lb. .39 - —
l.c.l., same basis lb. .40 - —
tanks, same basis lb. .38 - —
Xylol, coaltar, indust., tanks, works:—
Bethlehem, Pa gal. .34 - —
Birmingham district gal. .32 - —
Chicago district gal. .35 - —
Cleveland district gal. .34½ - —
Geneva, Utah gal. .27 - —
Johnstown, Pa. gal. .33 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex. gal. .33 - —
Lorain, Ohio gal. .33 - —
Middletown, Ohio gal. .34 - —
Minnequa, Colo gal. .34 - —
Philadelphia district gal. .34 - —
Pittsburgh district gal. .32 - —
Sparrows Point, Md gal. .34 - —
Terre Haute, Ind gal. .35 - —
Youngstown, O gal. .32½ - —
petroleum, indust., tanks, works:—
Bayonne, N. J. gal. .34 - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —

Y

Yara yara, cns lb. 2.15 - 2.63
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 (int'l B units per gram, 100-lb dms lb. .52 - —
260 int'l B units per gram, 100-lb. dms lb. .56 - —
300 int'l B units per gram, 100-lb. dms lb. .60 - —
Yellow, barium chromate, CP, bbls., dlvd N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —
Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below.
Benzidine, AAA, bbls., dlvd lb. 2.10 - —
AAOT, bbls., dlvd lb. 2.85 - —
Lightfast, bbls., dlvd lb. 3.15 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies, lb. 2.83 - —
Lithopone, all shades, bbls., frt. alld., E. of Rockies lb. 1.15 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse., 1c. per lb. higher.

—Continued on page 41

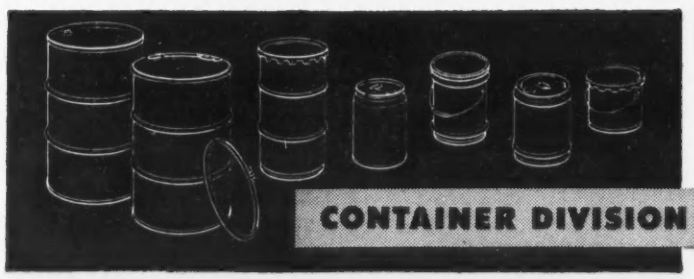
This 16th Century helmet displays the craftsmanship of medieval armor-makers. Expert fitting and positioning permitted mobility and visibility, while intricate carving brought distinctive, attractive appearance. Studied design and careful construction assured maximum protection.

Jones & Laughlin Steel Containers provide dependable protection for your products. They are built of sturdy, high-quality J&L Steel Sheet. Careful manufacture assures accuracy in all fittings and closures. J&L containers have a trim appearance which can be decorated attractively with colorful designs and illustrations by means of J&L's lithographic process.

Coatings and lacquers are evenly applied—both inside and outside. J&L pails and drums are chemically treated to keep all surfaces clean and dry.

Depend on J&L Steel Containers for the protection your products require.

Order them through plants in leading industrial centers. You will find J&L service prompt and efficient.



Jones & Laughlin
STEEL CORPORATION

405 LEXINGTON AVE.
NEW YORK 17, N.Y.

J&L STEEL

Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed 1900-1942, by Harry J Schnell

Incorporating Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter.

Member of Audit Bureau of Circulations

Copyright 1956 by

SCHNELL PUBLISHING COMPANY, INC.
WILLIAM S. AUCHINCLOSS, *President*

30 Church Street, New York 7, N. Y., U. S. A.

Telephone: REctor 2-9826: Cable Address: Reporter, New York

Volume 169 **January 16, 1956** **Number 3**

Private Health Service for the Public

In his "State of the Union" message to the congress, President Eisenhower included among more than thirty things which he asked the legislative division to do—the increasing of aid for hospital and research facilities and the extending of hospitalization plans, possibly by reinsurance. Just how large a measure of what kind of "socialized" medicine could come out of congressional compliance on those matters is anybody's guess. In view of the politicomic expediency incidental to a national election year and of the emphatic attitude of "Big Labor" toward governmental health aid, it can be expected that the legislators will be generously inclined, even though their leaders have been solemnly declaring that politics will not have a predominant, or even prominent, part in their current session deliberations.

There is a lesson for all who are concerned with any aspect of the multiplicity of proposals for improving the health of the nation and the services therein needed in the report of the investigator of the finances of Jersey City on the manner and extent of the contribution of politically pulled free hospital service to the increasing deficits of the medical center of that municipality. He reports that, apparently, nobody who knew a local political figure ever paid for anything that that institution did for him—and very many got very much in that direction.

But, that is only one of the number of aspects of the costliness of state or otherwise political medicine or other health service. One of the most disturbing faults of the scheme of helping the public to pay for health service is the resulting unnecessary strain on already inadequate facilities, both persons and places, coupled with the undeniable fact that there is no benefit for anybody in being enabled to pay for what he cannot get. The fundamental need is for more properly equipped persons and places for the providing of health services. The biggest part of that need is for more physicians and nurses in more communities. It will not be good for any person or any group in any manner concerned with the adequacy of health services for the public if the meeting of that need must depend upon the "generosity" of the federal government.

There are more than eighty medical schools in this country. The majority of them are insufficiently supplied with funds. That is why the National Fund for Medical Education, which has done much to keep many schools going, is endeavoring to raise an additional $10,000,000 a year for such use. It should get all possible help from business. Its appeal is addressed by way of its committee of American industry, with headquarters in New York, which has subdivisions for the several industrial groups of this country, headed by leaders in the operations of those groups.

The health of the people is a basic factor in national economic welfare. The providing of adequate service for the maintenance of that factor is an economic responsibility. Like all such responsibilities, it rests primarily upon private enterprise. It may be practical politics to claim for government much, if not all, of the credit for good economic conditions; but it is practical commonsense to lay that credit where it really belongs—on the force that builds the commercial economic foundation on which the social economy also must stand. That force is private enterprise, or more simply designated, business. There is no reason, then, to dwell at length upon the necessity that business—or industry, or private enterprise, or whatsoever it might be called—accept in full its responsibility to see that the providing of health services adequate in quality and in quantity for the public is kept wholly free from any opportunity—"necessity"— for the interference, in whatsoever guise, of political push or pull.

Partnership for Power

No doubt there are some very good—at least on the basis of political criterions—reasons why the meeting today of the public works committee of the United States Senate is being held behind closed doors. It is purposed to determine the future of a pending bill having to do with the development of power resources of the Niagara river.

Shades of various figures associated with TVA, Dixon-Yates, Hells Canyon, and earlier power projects will be stalking among the determiners, exuding fuzziness into an atmosphere having a heavy content of smog to start with. The fighting over the use of Niagara power has had all sorts of aspects in the State of New York for some time. Obviously, when expanded to national proportions, it is going to have still more and bigger ones. And the fact that the Niagara is an important part of an international boundary does not improve the visibility needed for a satisfactory evaluation and determination of the attendant problems.

The fundamental question is, quite naturally, whether the development of the utilization of Niagara power should be done by private enterprise or by some sort of public substitute therefor. The public side is split into state and federal segments; and, of course, there is more than one angle—and angler—in the private approach. It is very difficult to see how any congressional action could deal satisfactorily with such a situation. Of course, no matter how ably the dealing might be done, somebody would be dealt out and full satisfaction would be impossible. The views of the proponents of public power projects and those of the backers of private development of natural resources cannot be reconciled, or even harmonized, by political decree.

But, the two groups can get together and work together by way of their own initiative and agreement. A notable example has been set in recent weeks in the State of Washington where public power projects are quite strongly promoted. In that instance, a private utility corporation and a public utility district which had been fighting each other for at least twenty years signed agreements for the practically equal sharing of electricity from two power projects in the area and the coordination of facilities, some of which had been under condemnation proceedings for five years, with compensation for the private group for the share it has held in one of them.

If such a partnership can be affected in the Pacific northwest, where hydroelectric power fights are everyday affairs, certainly a similar arrangement can be achieved in the more peaceful area of an already well-developed utilization of naturally powerful hydro-energy. It is earnestly to be hoped in behalf of economic, satisfactory public service that neither the senate public works unit nor any politicomic group in the State of New York will set up any roadblocks against such an arrangement. There was no such interference in the case of the joint program approved early in December on the part of the state power authority and two private utility concerns on a St. Lawrence project.

Fifty Years of Regulative Law

Because the interest of the federal government in the nature of the foods and drugs available to the people of this country was implemented statutorily in the epoch-marking law of 1906, it is quite natural that this year's meeting of the section on food, drug, and cosmetic law of the New York State Bar Association—it is the pioneer group in that field—will be devoted almost wholly to addresses and discussions on what the intervening half-century has seen in that area of business regulation by law. The broad subject will be approached from a number of points of view, including those of governmental officials at various levels concerned with today's administration of such regulations. It is to be hoped, at least by those whose acquaintance with such functioning goes back to 1906, that there will be included some of the very pertinent — often impertinent — comment of the first federal administrator, Dr. Harvey W. Wiley, on what was to be done and what was being done and why.

The food and drug industries did not as a whole take kindly to the idea behind the original pure food and drug law. Their acceptance of the endeavors to put that idea in practical efficient operation was still less hearty, and there was a widespread antagonistic attitude over the ensuing thirty years. In truth, if it had not been that certain individuals were replaced because of various circumstances in positions of influence by others with an appreciation of the basic need for objectivity, there is good reason to believe that the revision of the federal law effective in 1938 would have been seriously restrictive in many respects. Public sentiment would have backfired in congressional relations far more vehemently than it did with reference to the opposition laid against the progress toward the enactment of the original law.

It was almost wholly through the collaboration of the three industries affected by the law that the Tugwell bill was in many respects reduced to reasonableness. It would be very interesting to have the men who headed the administration of the law at the time that approach to its revision was constructed and promoted tell about what was done where and how during the progress of the undertaking. On the whole, however, it is far more desirable that there be no disinterment of such things. Those whose actual contact with relevant information does not go back that far have many reasons to be pleased with their conditions.

Those who believe that government and business can do much good for each other and for the general public by way of readily possible collaboration can find much to support their views in the relations of the Food and Drug Administration with the industries over which it has a large measure of statutory supervision subject to more than a little administrative interpretation. It has taken time to develop that relationship. It has taken more than time. Fortunately for all concerned, especially for the public, what has been needed has been forthcoming on both sides. There is much to be learned therefrom—by both sides—for beneficial application in many other areas of government-business relations.

Washington Talks It Over

Industrial Dispersion Not a Dead Issue; Moves Underway to Bring About Renewed Interest in Problem

By Ralph L. Cherry

Chief, OPD Washington Bureau

The matter of industrial dispersion as the only feasible means of protecting the production facilities of the country in the atomic age is far from being a dead issue in spite of the fact that not much has been heard on this subject for months. New moves are already underway in congress to revive interest in the problem.

One of them is a bill just introduced by Sen. Wallace F. Bennett of Utah to spell out congressional policy in this matter as a sort of guide to the military agencies of the government for their programs of dispersal. A year ago, Sen. Bennett proposed, with the approval of ODM director Flemming, that a commission be set up to study the problem, but international events have been moving so rapidly that he says congress should set forth its policy without further delay.

Everyone knows that our industry is concentrated, but if anyone doubts that sad strategical fact, here are a few examples of temping targets cited by the senator as revealed by several separate studies:—

Sixty percent of America's industrial production lies in a 'heartland" running from Illinois to lower New England. With the fall-out problem being what it is, this entire area could be blanketed with destruction. Similarly, 45 percent of the nation's industry is within range of submarine launched missiles. Further, 77 percent of the nation's total coke capacity, 82 percent of our iron capacity and 73 percent of our ingot capacity are contained within ten districts. Only two H-bombs would be required to take out one-third of the nation's total steelmaking capacity.

Four H-bombs could destroy more than 40 percent of our petroleum refining capacity, and 46 percent of our petroleum chemistry plants. In the Great Lakes region, for example, are to be found 47 percent of the nation's electrical machinery manufacturing and 40 percent of the non-electrical machinery production. Saturation nuclear bombing of this area could prove disastrous for dependent industries.

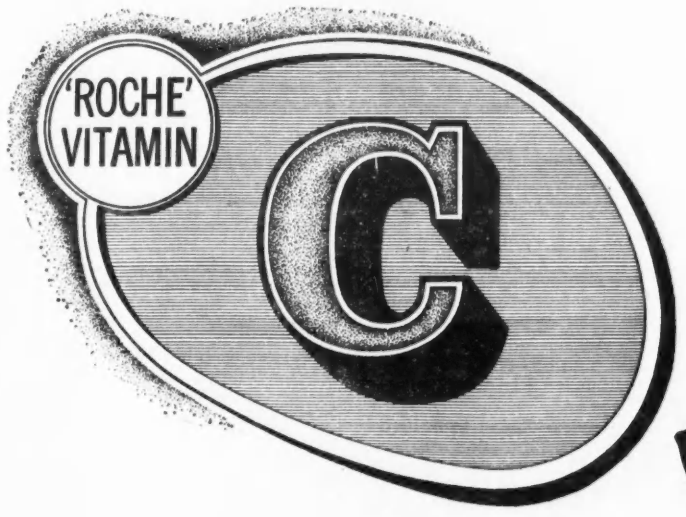
Dividends From Trade Fairs

United States participation in international trade fairs, now in its second year as definite policy of this government, is paying big dividends in explaining the American way of life and the free enterprise system to millions of people around the world, says Roy F. Williams, who heads up the international trade fair office in the Department of Commerce.

Returning from a 27,000-mile swing around government exhibits in the Middle East, Far East, North Africa and European countries, he reports that America's participation in trade fairs has met the competition of the Soviets and the satellite nations heads on and won hands down. At Addis Ababa, crowds at the American pavilion reached such proportions that police were frequently ordered inside to clear the people unwilling to leave the exhibits of American products.

At Karachi, Pakistan, virtually every one of the 1,000,000 persons who visited the fair grounds witnessed the American exhibit and marveled at the television show put on with native performers, in an air-conditioned theatre. At the Indian Industries Fair, the crowds far surpassed expectations with millions of people jamming through the doors and turnstiles to see this country's display.

POWERFUL REASONS



why you should use

- **ASCORBIC ACID U.S.P.**
- **COATED* ASCORBIC ACID 97.5%**
- **SODIUM ASCORBATE**

'ROCHE'

**This is Ascorbic Acid U.S.P. which has been coated with ethyl cellulose (approximately 1.2%). It is highly recommended and has many advantages for tablet manufacturers. Data on request.*

● When you buy from 'Roche' you deal with a house of over a half century's experience in the fine chemical field,—a house that produces every useful type of ascorbic acid to meet virtually every manufacturing need; the first to achieve commercial production of vitamin C by the famous Reichstein synthesis.

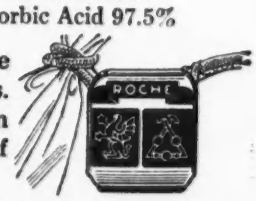
● Large consumers can have the advantage of single lots running as high as 3000 kilos—uniformly mixed, and necessitating only one assay. This is possible because 'Roche' really produces vitamin C "By the Tons."

● Small users are just as important to us—they get the same 'Roche' service, the experience of a house that for many decades has been in the forefront of vitamin research and manufacturing. 'Roche' technical personnel is equally ready to assist you with development and production problems.

● All types of 'Roche' ascorbic acid are uniform, readily soluble, and easy to handle. 'Roche' scientific production control is meticulous—it guarantees highest quality; specifications that even exceed U.S.P.'s.

● Quick delivery from strategically located warehouses, where any of the following types are stocked to meet your individual product specifications, and from which fresh material is insured by our huge volume of sales:

Fine Powder	Ultrafine (Mikro) Powder	Granular
Fine Granular	Superfine Granular	Ampul Type
Sodium Ascorbate	Coated Ascorbic Acid 97.5%	



● 'Roche' packaging is designed to protect the original quality in sealed tamperpruf containers. Refuse to accept material if this seal has been broken or if original 'Roche' label shows signs of mutilation.

● Ascorbic Acid and Sodium Ascorbate 'Roche' are packed in sealed polyethylene bags in 1-kilo and 2½ kilo tamperpruf tripletite metal containers. Larger quantities are packed in sealed polyethylene bags in fibre drums. Smaller quantities in amber screw cap bottles. *Ampul type* ascorbic acid is packed under inert gas in 100 gram bottles and in 1-kilo and 2½ kilo tamperpruf metal containers.

BUY 'ROCHE'—DEPEND ON 'ROCHE'

"The Vital Story of Vitamin C"—an Inside Science story is available in reprint form. It is published in the interests of the pharmaceutical manufacturers and food processors who make their good products better with essential health-giving Vitamin C.

CALL 'ROCHE' FOR VITAMINS

VITAMIN DIVISION • **HOFFMANN-LA ROCHE INC.** • NUTLEY 10, NEW JERSEY

NUtley 2-5000

Pacific Coast distributor: L. H. BUTCHER COMPANY

San Francisco • Los Angeles • Seattle • Portland • Salt Lake City

In Canada: Hoffmann-La Roche Ltd., 286 St. Paul Street, West, Montreal, Quebec

OTHER 'ROCHE' VITAMINS INCLUDE

VITAMIN A acetate and palmitate • *Dry VITAMIN A acetate* • *Beta CAROTENE* • *THIAMINE hydrochloride and mononitrate* • *RIBOFLAVIN* • *RIBOFLAVIN-5'-Phosphate Sodium* • *BIOTIN* • *PYRIDOXINE hydrochloride* • *NIACIN* • *NIACINAMIDE* • *dl-alpha-TOCOPHEROL acetate & unesterified*

COLUMBIA-SOUTHERN®

CALCIUM CHLORIDE

FLAKE

100 lb. and 25 lb.

Moisture-proof Paper Bags

COLUMBIA-SOUTHERN CHEMICAL CORPORATION

SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY

ONE GATEWAY CENTER · PITTSBURGH 22 · PENNSYLVANIA

DISTRICT OFFICES: Boston • Charlotte • Chicago • Cincinnati Cleveland • Dallas • Houston Minneapolis • New Orleans New York • Philadelphia • Pittsburgh • St. Louis • San Francisco

SODIUM BICARBONATE, U.S.P.

Specialized Grain Sizes

MONOHYDRATE OF SODA

SAL SODA CONCENTRATED CARBONATE OF SODA CRYSTALS

Technical Service

CHURCH & DWIGHT CO., INC.

70 Pine Street • New York 5, N. Y. • Phone DIgby 4-2181

SPENCER

America's Growing Name in Chemicals

SPENCER PRODUCTS: "Poly-Eth" Polyethylene • Ammonia (Commercial and Refrigeration Grade) • Aqua Ammonia • 83% Ammonium Nitrate Solution • Synthetic Methanol • Formaldehyde • Hexamine • "Mr. N" Ammonium Nitrate Fertilizer • SPENSOL (Spencer Nitrogen Solutions) • FREZALL (Spencer Dry Ice) • Cylinder Ammonia

Spencer Chemical Company, Dwight Bldg., Kansas City, Mo.

Works: Pittsburg, Kas. • Henderson, Ky. • Chicago, Ill. • Vicksburg, Miss. • Orange, Texas

Heavy Chemicals

A producer increased less than carlot differentials on a number of the sodium phosphates last week, following general advances which became effective January 1. The increases were said to have been necessitated by higher costs of handling less than carlot quantities. Molybdic acid and sodium molybdate were advanced following increases in molybdic oxide.

The greatest production of steel in history, totaling 117,000,566 net tons, poured out of furnaces in the United States in 1955, according to the American Iron and Steel Institute.

This factor accounted for the strong demand for mineral acids and other chemicals used in the processing and fabrication of steel over the year. Steel output last week remained high, as did consumption of chemicals.

Rayon output continued to run 16 percent ahead of 1954, and 1955 production was expected to near or equal the record made in 1950. Caustic soda, sulfuric acid, zinc sulfate and other chemicals moved actively in that direction.

Chlorine demand also continued strong. Output of chlorinated organics in 1955 appeared to most producers to be surpassing 1954 levels, and supplies of chlorine as a consequence were none too plentiful.

Copper, lead and zinc remained in a strong price position during the week, as did most of the nonferrous metals, owing to strong demand and generally short supplies.

Copper sulfate supplies were in a better position than for some time past, as the Bureau of Mines reported producers' inventories in November sufficient for about one month's requirements.

The American Paper and Pulp Association reported production for the week ended January 6 at 92.6 percent of theoretical capacity, as compared with the revised figure of 70.4 percent for the previous week and 89.7 percent for the corresponding week of last year.

Acid, Hydrochloric—Demand continued strong in the north and east, but continued to be far short of by-product acid output in some sections of the south and west.

Due to currently high production of chlorinated organics, no respite in the consequent heavy flow of by-product acid was expected for at least the rest of the first quarter.

Acid, Hydrofluoric—Consumption of hydrofluoric acid remained steady and active, resulting in continuing peak production, as material moved to glass, fluorinated organics, and government account.

Acid, Molybdic — Prices were changed last week in order to reflect current increases in the cost of molybdic oxide, the basic raw material for the acid. Eighty-five percent molybdic acid was newly quoted at $1.15 per pound, drums, works.

Acid, Phosphoric — Prices continued firm and unchanged. Price changes announced for some of the less carlot quantities for sodium phosphates had no bearing on less carlot quotations for phosphoric acid.

Current prices were expected to hold steady through the remainder of the quarter. Demand remained strong, and production continued at near-record levels.

Acid, Sulfuric—Industrial demand for this acid was keynoted by continuing heavy rayon, steel, pigment, alcohol and other chemical output.

Rayon output continued to run at least 16 percent of 1954, and 1955 output was expected to near or surpass the record output for 1950.

Steel production last week amounted to 2,388,000 tons or 97 percent of 1956 capacity, as against 2,403,000 tons, or 97.6 percent the previous week, according to the American Iron and Steel Institute.

Chlorine — Demand continued strong from textile, paper, synthetic organic chemicals, and other interests. Supplies remained in close balance.

Price Trends

Advanced

Acid, molybdic, 3c. per lb.
Sodium molybdate, 3c. per lb.

Reduced

Potassium stannate, 0.8c. per lb.
Sodium stannate, 0.8c. per lb.
Stannic chloride, 1c. per lb.
Stannous chloride, anhyd., 1.2c. per lb.
hydrous, cryst., 1c. per lb.
Sulfate, 1.2c. per lb.
Tin, 2¼c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 14, 1955
101.30	101.30	101.26	98.44

For Current Prices see Page **9**

Copper Sulfate—Prices were firmly maintained, and industrial demand continued at record-breaking levels. Agricultural demand was seasonally dull. Supplies were still short.

Copper sulfate production and shipments in November were 9 and 18 percent, respectively, lower than October, according to the Bureau of Mines.

Shipments were 1,600 tons less than production and stocks rose 55 percent. At the November rate of shipments producers' inventories were sufficient for about a months' requirements.

Foreign trade data for November are not available. In October receipts of 212 tons of copper sulfate were recorded, and exports were 2,171 tons.

Hydrazine—The industrial market for hydrazine continued to expand slowly, dependent on research and development. Material moved steadily for pharmaceutical use.

Demand for manufacture of maleic hydrazide, a herbicide, was seasonal, as is the case with an agricultural product of that nature.

Producers reported that while business was expanding in an orderly manner, it would be some time before present hydrazine manufacturing capacity is taken up.

Lime — Domestic sales of open-market in September lime decreased 3 percent from the previous month, according to reports of producers to the Bureau of Mines.

Domestic sales in September amounted to 830,608 tons as compared with 803,023 tons in August, and 624,271 tons in September, 1954.

Sales of chemical and other industrial lime in September totaled 458,396 tons, as against 471,599 tons in August and 354,283 tons in September, 1954.

Quicklime sales declined to 388,661 tons in September from 401,635 tons in August, but were considerably higher than the 293,233 tons sold in September, 1954.

Hydrated lime sales in September declined slightly to 69,735 tons from 69,964 tons in August, but were higher than the 61,050 tons sold in September, 1954.

Soda, Caustic—Rayon and acetate yarn and staple producers in 1955 experienced their best year since the peak year of 1950, according to the Textile Economics Bureau.

The bureau estimates that the yearly total of shipments would approximate 1,260,000,000 pounds compared to the record figure of 1,268,500,000 pounds set in 1950.

In the first eleven months of 1955, the rayon and acetate industry shipped a total of 1,156,900,000 pounds, 16 percent more than was shipped in the corresponding period of 1954.

Sodium Chlorate—Production of sodium chlorate in October set a new monthly record. Output rose to 4,256 tons from 4,062 tons in Sep-

tember, and was higher than the 3,376 tons in October, 1954.

Stocks at producing plants at the end of October totaled 2,996 tons, as against 2,550 tons on hand at the end of September.

Sodium Phosphates—Following increases in several of the large volume sodium phosphates effective January 1, a company announced that effective January 9, it was raising less carlot differentials so that a $1 per-hundred-pound spread would exist between bulk and l.c.l. prices.

Monosodium phosphate was raised to $9.70 per hundred pounds, less carlots for anhydrous, and $8.20 per hundred pounds, same basis, for duohydrate.

Tribasic anhydrous sodium phosphate was increased to $9.65 per hundred pounds, less carlots, freight equalized, and crystalline, $5.40 per hundred pounds, same basis.

Sodium acid pyrophosphate was increased to $11.60 per hundred pounds, less carlots, freight equalized, and tetrasodium pyro was increased to $8.52½ per hundred pounds, same basis.

Sodium tripolyphosphate was increased from $8.27½ to $8.87½ per hundred pounds, less carlots, freight equalized.

These advances, made by the producer in order to offset increased handling costs of less than carload quantities, were not uniform in the trade at press time.

Tin Salts—With lower tin, potassium stannate was listed at 72.8c. to 79.4c. per pound; sodium stannate, 60.3c. to 65.7c.; stannic chloride, 81.8c. to 82.8c.; stannous chloride, anhydrous, 95.2c. to $1.22; hydrous crystals, 83c. to 84c., and sulfate, $1.005 to $1.045 per pound.

Nonferrous Metals

Aluminum — During 1954, producers in the primary aluminum industry shipped products valued at $604,100,000, an increase of 275 percent over 1947, according to preliminary results obtained from the 1954 census of manufactures conducted by the Bureau of the Census.

Average employment in this industry increased 131 percent since 1947 (when the last census of manufactures was taken), to a total of 20,600 employees in 1954.

Chromium—Consumption of chromite during September reached a new high, exceeding the previous peak in August, 1953, by 14 percent, and August, 1955, by 18 percent, according to the Bureau of Mines.

The metallurgical industry (in the manufacture of ferrochromium, chromium briquets, metal, other chromium alloys, and additions to steel) consumed 15 percent more; producers of refractories (refractory bricks, cements, ramming mixtures, and plastic mixes) showed a gain of 32 percent, and producers of chemicals (sodium bichromate, chromic acid and other chromium chemicals) used about the same as in August.

Lead—With demand dampened by recent rises, plus a weaker London market, pig lead declined ½c. per pound to 16c. f.o.b. New York, and 15.8c., St. Louis basis.

Tin — The market continued to ease slightly. Straits metal was quoted $1.05¾ per pound, spot, Friday.

Zinc—Price continued firm following recent ½c. per pound increases. Buying interest remained strong, and the market received added strength from the firm lead market.

The following figures, supplied by the American Zinc Institute, show production and stocks of zinc metal, in tons:—

Production	November	December
Special high grade	34,332	36,203
High grade	9,258	9,002
Intermediate	1,301	1,583
Prime western	42,713	45,776
Total	87,604	92,564
Stocks	**November**	**December**
Special high grade	5,411	6,355
High grade	2,619	2,828
Intermediate	564	611
Prime western	29,464	31,185
Total	38,058	40,979

Hooker Appoints Simmons To Head Advertising Unit

Hooker Electrochemical Company, Niagara Falls, N. Y., has announced three promotions in its advertising department. Clark R. Simmons has been named advertising manager.

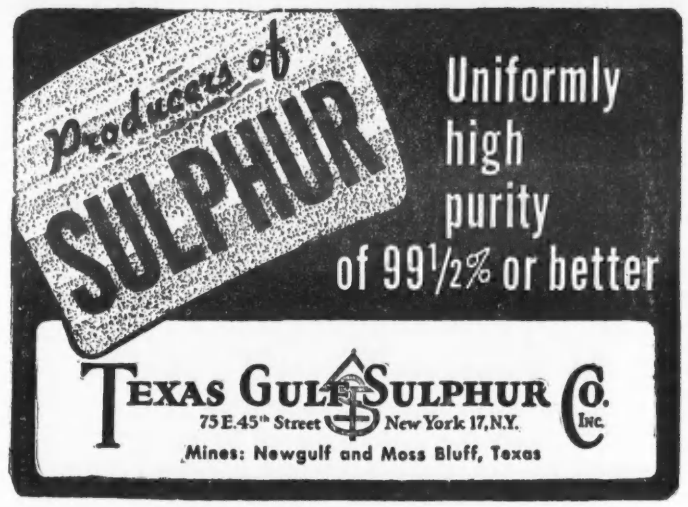
A. Vaughn Cinnock has been appointed assistant advertising manager for chemicals, and Wallace H. Kinz has been appointed assistant advertising manager for plastics.

Joseph Mares Firm Adds Groppe

Henry Groppe has joined Joseph R. Mares, industrial chemical consultant in Houston, Tex. Mr. Groppe was most recently assistant director of development for Monsanto Chemical Company's plastics division at Texas City, Tex.

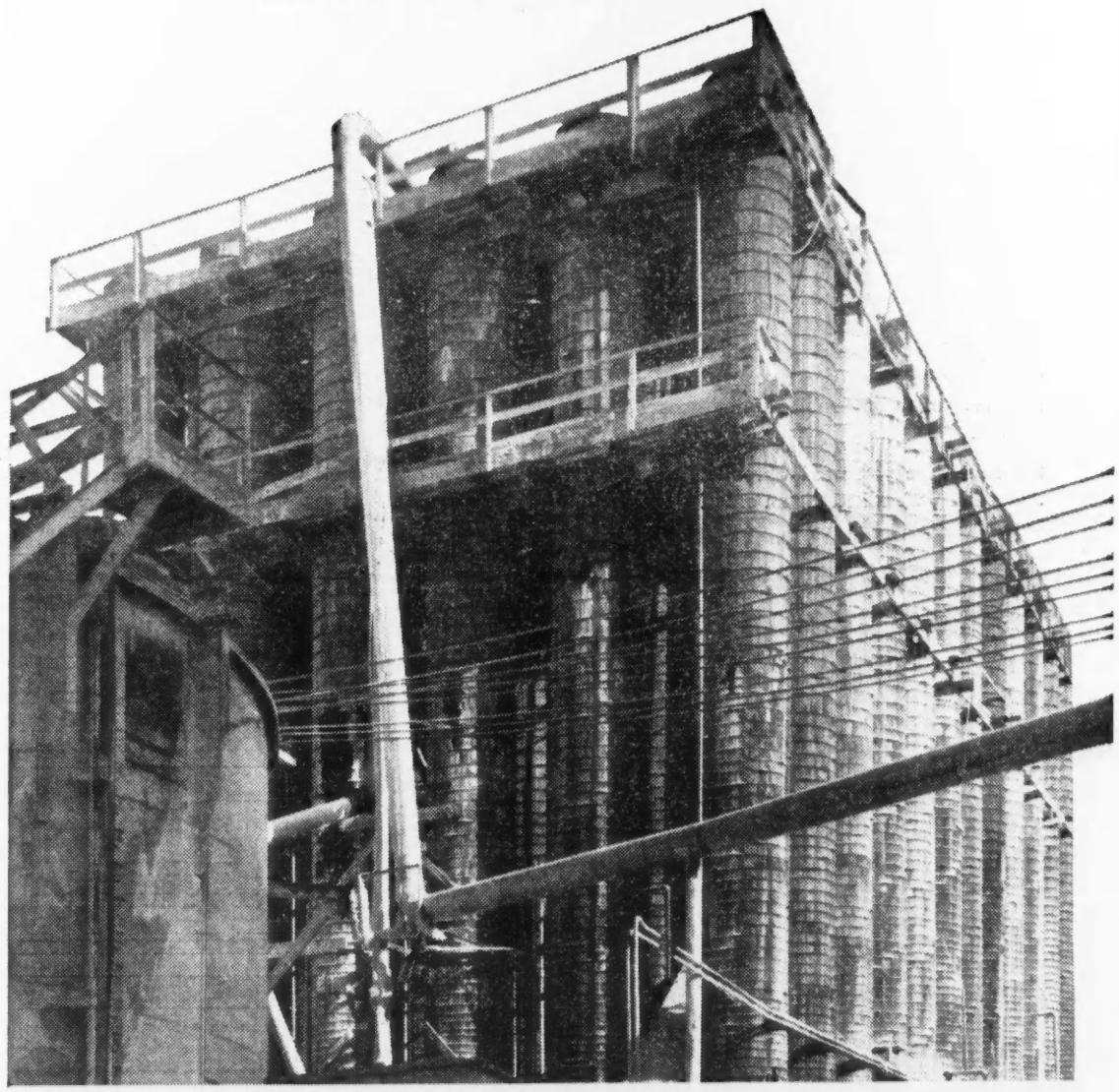
Machinery & Equipment Moves

Machinery & Equipment Corporation, New York, will relocate in Newark, N. J., February 1. The new address will be 293 Frelinghuysen avenue, Newark 5. The telephone number will be TAlbot 4-2050.


Producers of
SULPHUR
Uniformly high purity of 99½% or better
TEXAS GULF SULPHUR CO. INC.
75 E. 45th Street New York 17, N.Y.
Mines: Newgulf and Moss Bluff, Texas

about satisfying details in soda ash orders...

When you write your requirements as to shipping date, routing, acknowledgments and advices into an order, we know you do it for a reason...and that's reason enough for us to pay the very closest attention to every detail. We consider it our responsibility to fill orders exactly as written.



WEST END West End Chemical Company

SODA ASH • BORAX • SODIUM SULFATE • SALT CAKE • HYDRATED LIME

EXECUTIVE OFFICES, 1956 WEBSTER, OAKLAND 12, CALIFORNIA • PLANT, WESTEND, CALIFORNIA

Anhydrous Ammonia

Refrigeration Grade • Commercial Grade

Available in 10,000-gallon Tank Cars,
150-, 100-, 50-lb. Cylinders

NITROGEN DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
Hopewell, Va. • Ironton, Ohio • Orange, Tex. • Omaha, Neb.

NITROGEN DIVISION ALLIED CHEMICAL

Other Nitrogen Division Products

Ammonia Liquor
Ammonium Nitrate Solutions
Ammonium Sulphate
Anhydrous Ammonia
Industrial Grade
Refrigeration Grade
Ethylene Glycols
Ethylene Oxide
Ethanolamines
Formaldehyde
Methanol
Mixed Oxides
Nitrogen Tetroxide
ARCADIAN Nitrate of Soda
U.F. Concentrate-85
Urea

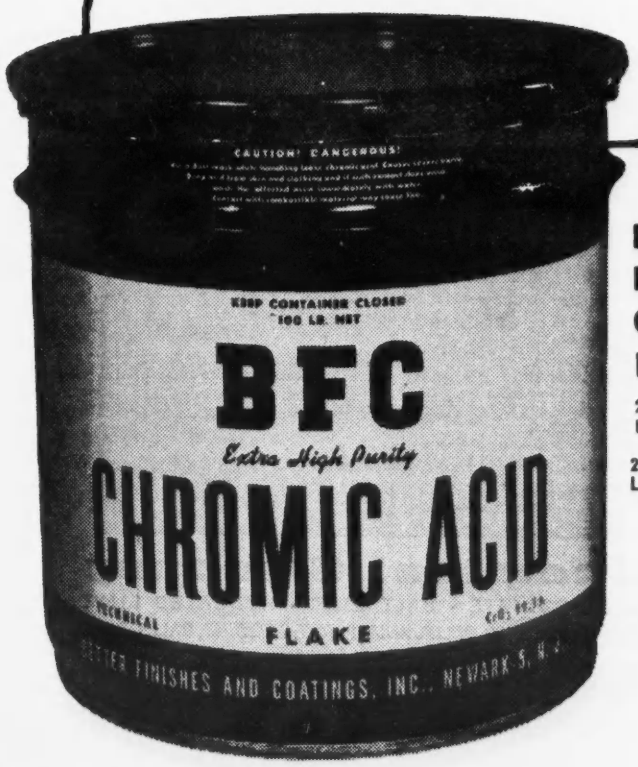
COPPER CHLORIDE, CUPRIC
(CUPRIC CHLORIDE)
HENRY BOWER CHEMICAL MFG. CO.
30TH AND GRAYS FERRY RD. PHILADELPHIA 46, PENNA.

OBEY THAT IMPULSE!

Unlike the big boys we don't have a nationwide sales force to break down sales resistance gradual like. We have to ask for an order right out without any fooling around. But that seems to be the way a lot of folks still want to do business.

So, real blunt, here's our story: We make quite a few million pounds of extra-high quality Chromic Acid every year. We say exactly what we can do on delivery and we do it. The boss personally keeps an eye on the plant and the shipping platform . . . just to be double-sure all goes well.

If that's what you want, why not send us a modest order the next time you need Chromic Acid. Obey that impulse. Remember, we asked for an order!



PAINTS • PLASTICS BFC CHEMICALS

BETTER FINISHES & COATINGS, INC.
268 Doremus Avenue
Newark 5, N. J.

2014 East 15th St.
Los Angeles 21, Calif.

Hooker Makes Casella Patent Section Manager

Peter F. Casella has been named manager of the patent section of the research and development department of Hooker Electrochemical Company, Niagara Falls, N. Y.

Mr. Casella has been head of Hooker's patent section since 1953, but since the recent mergers of both Durez Plastics & Chemicals, and Niagara Alkali Company into Hooker to become divisions, the company's patent activities have been consolidated under the direction of Mr. Casella at the Niagara Falls headquarters, thereby increasing his responsibilities.

DuPont Offers Auto Paint Which Cuts Down Waxing

Two automobile paints said to eliminate the need for car waxing for at least eighteen months under normal conditions have been developed by E. I. duPont de Nemours & Co., Wilmington, Del.

The finishes, trademarked "Lucite" and "Dulux 100" have been tested on experimental cars during the last two years. According to duPont, tests showed that the finishes retained luster three times longer than conventional car paints.

Fiske Will Head

—Continued from page 7

the Tennessee Department of Agriculture, are:—

Leslie D. Harrop, vice-president and general counsel, Upjohn Company, Kalamazoo, Mich.; Dr. Robert P. Fischelis, secretary, American Pharmaceutical Association; Francis C. Brown, president, Schering Corporation, Bloomfield, N. J.; Russell Blackwood, vice-president and general manager, Philadelphia Wholesale Drug Company.

A. D. Penick, executive vice-president, New York Quinine & Chemical Works, Inc., New York; Carl Willingham, secretary-treasurer, National Association of Chain Drug Stores; G. M. Eisele, Arlington Arcade, Hot Springs, Ark.; Dr. Theodore G. Klumpp, president, Winthrop Laboratories, New York; Dr. Albert B. Fisher, jr., National Wholesale Druggists Association; Dr. Mark W. Tapley, director, new products division, Sterling Drug, Inc., New York, and Leo V. Talamini, vice-president, Parfums Schiapareli, Inc., New York.

L. D. Barney, president, Hoffmann-La-Roche, Inc., Nutley, N. J.; Dr. Robert T. Stormont, American Medical Association; Dean Hugo H. Schaefer, Brooklyn College of Pharmacy; K. F. Valentine, president, Pitman-Moore Company, Indianapolis, Ind.; Ray Schlotterer, executive secretary, Federal Wholesale Druggists' Association; C. J. Krister, Grasselli Chemicals Department, E. I. duPont de Nemours & Co., Wilmington, Del.; Adolph Weinberger, president, Gray Drug Stores, Inc., Cleveland, Ohio; Albert C. Fritz, Indianapolis.

Newell Stewart, executive vice-president, National Pharmaceutical Council; Charles D. Doerr, vice-president, McKesson & Robbins, Inc., New York; Abe Plough, president, Plough, Inc., Memphis, Tenn.; Carl Gardiner, vice-president, Elizabeth Arden Sales Corporation, New York; Wayne Yoder, American Cyanamid Company, New York; Kimon T. Karabatsos, National Agricultural Chemicals Association; Dr. E. G. Klarmann, Lehn & Fink Products Corporation, New York, and Dr. George W. Fiero, Esso Standard Oil Company, New York.

Service Throughout the World!
Browning Chemical CORPORATION
150 Broadway • New York 38, N. Y.
Cable Address: BROCHEMO NEW YORK
or for your European chemical requirements write to:—
BROWNING & CO., G. m. b. H.
Kattrepel 2 Hamburg 1, Germany
Cable Address: BROCHEMO HAMBURG

Piecemeal Auction
Tank Storage, Mixing
Stainless Steel Equipt.
former plant of American Chlorophyll Co.
Installed since 1952
LAKE WORTH, FLORIDA
Thurs. Jan. 26th 10 A.M.

EQUIPMENT HI-LIGHTS
Finest Stainless Steel Mixing Equipment; acid resistant storage, pump system; explosion proof motors, electrical; analytical lab facilities, office equipment. New, never assembled Blaw-Knox Extraction Unit; leaf filter, spray dryers, blenders, centrifuges, hammermills, pelletizers; (11) extractor cookers; (29) solvent storage tanks, 250,000 gal. capacity; (3) 10,000 gal. Molasses Storage Tanks.

World's Largest Chlorophyll Mfg. Plant—Strategic Industrial Property With Modern Buildings—Spur Track—Deepwells—Plus 17 Separate Lots to Be Sold Individually!

FREE BROCHURE ON REQUEST
Milton J. WERSHOW Auctioneers David WEISZ
7213 Melrose 840 San Julian
WE. 38541 • Los Angeles • MI. 8005

CHEMICAL IRON
GROUND TO SPECIFICATION
GAS PURIFYING MATERIALS CO. INC.
3-15 26th Avenue, Long Island City 2, N. Y.

SILICATE OF SODA
40° and 60°
EXPORT — DOMESTIC
TURPENTINE — LINSEED OIL — MINERAL SPIRITS
CHAS. L. READ & CO., Inc., 1 Newark Ave., Jersey City 2, N. J.
Telephone WOrth 4-1131-2-3 DElaware 2-2662-3

HARSHAW Sodium Methylate
(Sodium Methoxide)

SPEC 101
Packaged in air tight steel drums of 10, 25, 50 and 200 pounds net.
Free Flowing white hygroscopic powder.
Formula $NaOCH_3$
Sensitive to air and moisture
Packs 4.6 pounds per gallon
Formula Weight 54.03

Write for folder furnishing chemical analysis of Harshaw Sodium Methylate
THE HARSHAW CHEMICAL CO., CLEVELAND 6, OHIO

Oil, Tire Producers Are Accused by FTC

Three oil producers and three tire manufacturers last week were charged in a Federal Trade Commission complaint with restraining competition in the sales of tires, batteries and accessories. Named were:—B. F. Goodrich Company, Goodyear Tire & Rubber Company, Firestone Tire & Rubber Company, Shell Oil Company, Atlantic Refining Company and Texas Company.

The complaints alleged that the oil producers contract to influence unduly their controlled service stations and distributors to buy tires, batteries and accessories sold by the tire manufacturers. In return, the complaints charge they receive from the manufacturers "overriding" commissions on all net sales.

Int'l Minerals Shifts Staff In Phosphate Chemicals Unit

International Minerals & Chemicals Corporation, Chicago, has appointed Bryce L. Rhodes development and production staff manager for its phosphate chemicals devision. Mr. Rhodes' responsibilities will include development of new products and byproducts, production planning, and studies of current operations.

James F. Roe has been named manager of Florida operations of the division, and Charles A. White has been appointed manager of the division's Tennessee operations. Robert V. Stafford has been promoted to assistant manager of the Florida operations, and Ralph W. Lorentz has been named superintendent of the Bonnie plant, near Bartow, Fla.

SOCMA Sets Up Prize

—*Continued from page 7*

traveling expenses for receipt of the award will be furnished the recipient.

The rules of eligibility state that the award is to be made "for creative work in synthetic organic chemistry published in an American journal during the preceding three years ending January 1 of the year in which the selection is made." It will be presented for the first time in 1957.

"Creative work in synthetic organic chemistry" is defined by the association as that which will "stress creative concepts and theories which apply to synthetic organic chemistry as well as actual synthetical methods."

The SOCMA research committee which created the plan for the award is headed by Dr. Ernest M. May of Otto B. May, Inc., Newark, N. J. Serving with Dr. May on the committee are Dr. Alvin H. Tenney of Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Corporation, New York.

This award brings to a total of nineteen the number of prizes administered by the American Chemical Society.

Food and Drug Group

—*Continued from page 7*

division of councils on therapy and research of the American Medical Association.

H. Templeton Brown, general counsel for the American Meat Institute.

H. Thomas Austern, general counsel for the National Canners' Association.

James F. Hoge, chairman of the section's drug committee.

A. M. Gilbert, member of Davis & Gilbert.

Philip F. Sherman, general counsel for Pillsbury Mills, Inc.

S. L. Mayham, executive vice-president of the Toilet Goods Association.

The annual report on product liability law will be given by William J. Condon, attorney for Swift & Co.

ANIMAL GLUES and GELATINS

pearls • opaque • ground
bags or barrels
LCL or carload quantities

CONSOLIDATED CHEMICAL INDUSTRIES
DIVISION OF STAUFFER CHEMICAL COMPANY
640 Esperson Bldg., Houston 2, Texas
380 Madison Ave., New York 17, N. Y.

FAST SERVICE ON NITROGEN
Arcadian
Ammonia Liquor • Anhydrous Ammonia
A-N-L Fertilizer Compound
Sulphate of Ammonia • Urea Products
Nitrate of Soda • Nitrogen Solutions
12-12-12 Granular Fertilizer
NITROGEN DIVISION Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.
Plants at Hopewell, Virginia • Ironton, Ohio • Omaha 7, Nebraska

Get better control of reaction rates with "right-size" aluminum chloride

For close control of reaction rates, and catalyst feed rates, you can purchase Hooker aluminum chloride, anhydrous, in four mesh sizes:

1. Extra fine grind—unscreened (90-95% through 40 mesh).
2. Fine grind—unscreened (almost all through 20 mesh).
3. Coarse grind—unscreened (1 mesh and finer, 25-30% through 20 mesh).
4. Coarse screened (same as coarse grind, screened to remove 20 mesh and finer).

This material is a grayish crystalline solid with maximum iron content of 0.05%. "Extra fine" and "fine" grinds contain 97.5% $AlCl_3$. "Coarse grind" and "coarse screened" contain 98.5% $AlCl_3$.

It is shipped in the following containers:

	lbs. net
5-gal. pails	50
10-gal. removable head drums	100
55-gal. removable head steel drums	550

For samples and technical data, write today.

From the Salt of the Earth
HOOKER CHEMICALS
HOOKER ELECTROCHEMICAL COMPANY
1 Forty-seventh Street, Niagara Falls, N. Y.
Niagara Falls • Tacoma • Montague, Mich. • New York • Chicago • Los Angeles

P.C.A.
SALT of the EARTH
RED MURIATE
Producers of
Agricultural and Chemical Grade
MURIATE OF POTASH
POTASH COMPANY OF AMERICA
Carlsbad, New Mexico
General Sales Office...1625 Eye Street, N. W., Washington, D. C.
Midwestern Sales Office...First National Bank Bldg., Peoria, Ill.
Southern Sales Office...Candler Building, Atlanta, Ga.

ELECTRIC REDUCTION COMPANY OF CANADA LTD. ERCO MADE IN CANADA
BUY BY BRAND
HIGHEST QUALITY and STABILITY
phosphorus red, amorphous
(STABILIZED)
phosphorus sesquisulphide powder
Manufactured by
ELECTRIC REDUCTION COMPANY OF CANADA, LTD.
BUCKINGHAM, QUEBEC
Exclusive Export Agents
DUFF CHEMICAL COMPANY, INC.
342 MADISON AVENUE NEW YORK 17, N. Y.
MUrray Hill 7-6502 Cable Address "Chemduf"

POTASSIUM CHLORIDE for the
CHEMICAL and FERTILIZER INDUSTRIES

CHEMICAL GRADE MURIATE OF POTASH
62.73% K_2O (99.3% KCL) MINIMUM

HIGRADE MURIATE OF POTASH 62/63% K_2O

GRANULAR MURIATE OF POTASH 60% K_2O MINIMUM

SUNSHINE STATE POTASH — A PRODUCT OF NEW MEXICO U.S.A.
Reg. U. S. Pat. Off.

UNITED STATES POTASH COMPANY
Incorporated
30 ROCKEFELLER PLAZA,
NEW YORK 20, N. Y.

Manufacturers of
Red and Black **COPPER OXIDE**
COPPER SCALE
ROBERT A. COUPE, 260 Rhode Island Ave., PAWTUCKET, R. I.
Telephone PAwtucket 3-4944

COPPERAS (IRON SULPHATE)
Crystal, Granular and Purified
E. M. SERGEANT PULP AND CHEMICAL CO., INC.
7 DEY STREET — Established 1867 — NEW YORK 7, N. Y.

Better for your product
(and fast delivery to your plant)

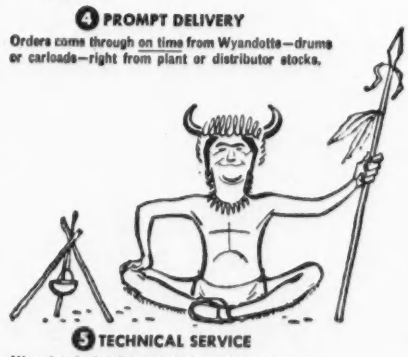
WYANDOTTE CAUSTIC SODA

1 HIGH DEGREE OF PURITY
Wyandotte Caustic Soda is the finest made—arrives pure, too, in drums and specially treated tank cars.

2 PHYSICALLY AND CHEMICALLY UNIFORM
Wyandotte Caustic Soda is available in many highly uniform grades—both anhydrous and liquid.

4 PROMPT DELIVERY
Orders come through on time from Wyandotte—drums or carloads—right from plant or distributor stocks.

3 STRATEGIC LOCATION
Wyandotte's strategically located plant and distributor stocks assure you of lowest rates, fast service.



5 TECHNICAL SERVICE
Wyandotte's helpful technical service and unsurpassed research facilities are available for your use.

Call on Wyandotte for your Caustic Soda

Wyandotte CHEMICALS
HEADQUARTERS FOR ALKALIES

WYANDOTTE CHEMICALS CORPORATION, WYANDOTTE, MICHIGAN • *Offices in Principal Cities*

Agricultural Chemicals

Nitrogen solutions and phosphate rock were higher last week, the former due to an automatic first-of-the-year increase, and the latter due to a passing on of increased fuel oil costs at Florida mines which took place last September. Animal proteins were weak, and listless interest produced reductions in prices for dried blood and tankage at Chicago.

It was reckoned in the trade that some eighteen anhydrous ammonia plants were due to go on stream during 1956. There was some concern over how well this incoming production would be absorbed.

So far, it was reported, interest on the part of farmers and mixers for the coming season has been far from sensational. It was hoped that demand would pick up substantially during the next few weeks.

Currently, there were some indications of a revival of interest at the mixers' level. But the trade felt that this was only natural, due to the fact that the peak of the spring fertilizer season is only seventy to eighty days away.

Fishmeal imports in September declined under figures of September, 1954, by 42 percent. Production of domestic meal was down by 2 percent in October from October, 1954, levels.

Production of DDT, 2,4-D, and tetramethylthiuram sulfides was higher in October, while output of BHC declined quite sharply, according to the Tariff Commission.

Price Trends

Advanced
Nitrogen solutions, $1 per unit-ton.
Phosphate rock, 6c. per unit.

Reduced
Blood, dried, Chicago, 25c. per unit-ton.
Tankage, Chicago, 25c. per unit-ton.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 14, 1955
111.89	111.86	111.87	110.18

For Current Prices see Page 9

Animal and Plant Foods

Ammonia, Anhydrous—The market showed some signs of improving, as buyers became more active with the approach of the spring buying season.

The influx of at least eighteen new ammonia plants into the market in 1956 was expected to considerably expand supplies. Trade sources were uncertain as to how soon new production would be absorbed.

Ammonium Nitrate—There was plenty of material around for domestic and export interest. Some revival of domestic demand materialized during the week.

Further improvement in demand from mixers was anticipated during the next two weeks, as formulating for the spring planting season gets under way.

Ammonium Sulfate — Cokeoven supplies remained lengthy, and it was hoped that the forthcoming Korean bids would serve to improve the presently burdensome position.

Synthetic sulfate stocks were not lengthy, although its was felt that there was plenty around to fill immediate needs in some areas. Some coastal producers reported stocks committed.

There was a slight increase in consuming demand on the domestic scene, and the market was expected to become much more active during the next few weeks.

Animal Protein—Buying interest in the east and midwest continued lackadaisical, but there was some local improvement noted.

Dried blood and tankage at Chicago each declined 25c. per unit-ton, as stockfeed demand showed a temporary relapse. There was no demand for fishmeal and scrap, and prices were entirely nominal.

October production of fishmeal and scrap by firms which normally account for about 90 percent of total output was 17,452 tons, according to the Fish and Wildlife Service.

Production of fishmeal and scrap in October, 1954, amounted to 17,903 tons, higher than this year's October figures by 2 percent.

Imports of fishmeal in September amounted to 4,376 tons, as against 5,941 tons in the same months in 1954. Nine-month totals show imports at 72,193 tons of meal, against 123,850 tons during the same period last year, a decrease of 42 percent.

Castor Pomace—Sales continued to be reported at $40 per ton, f.o.b. mills. Scattered amounts continued to be offered to steady demand.

Nitrogen Solutions—Prices were automatically increased on both 37 percent and 40.8 percent nitrogen solutions effective January 1.

New prices ranged from $47.50 per ton of product for the 37 percent solution to $52.15 per ton of product for the 40.8 percent material.

Producers indicated that these materials have encountered increasing demand, having gained considerably in the favor of users over the past few years.

Phosphate Rock—Price increases of 6c. per pound for Florida rock initiated two weeks ago by some producers were considered uniform in the trade last week.

Rock testing 68-66 percent bone phosphate of lime was newly priced at $4.81 per unit-ton; 70-68 percent, $5.21 to $5.22; 72-70 percent, $5.87; 75-74 percent, $6.87 and 78-76 percent, $7.87.

The above prices were based on fuel oil at $2.47 per barrel, and labor at $1.39 per hour. The recent labor advance continued to be absorbed.

A slight pickup in demand for rock was noted, as producers of finished agricultural phosphates were stirred into activity by the approach of the spring buying season.

Production at mines continued to be centered on higher grades of rock, due to increased demand for triple superphosphate. Supplies of both high grade rock and triple super were comfortable, but not lengthy.

Normal superphosphate stocks were heavy, in accord with the time of year. It was expected that present output and stocks would be moving in good volume to mixers in the near future.

Prices for both normal and triple superphosphate continued without change.

Los Angeles Market

Sales of inorganic materials held at a fairly good level for the week with peak demand still in the future; all supplies were reportedly adequate.

Canadian ammonium nitrate was recently adjusted to be competitive with local domestic material, affecting quotations at several delivery points.

Fish meals were in moderate supply; Canadian herring fishing operations were resumed with quotations lower at $2.15 per unit of protein, sacked, f.o.b. Vancouver, U. S. Funds.

Pesticides

The following figures, compiled by the Tariff Commission, indicate production of specified organic pesticides, in pounds:—

	Sept.	Oct.
Dichlorodiphenyltrichloroethane (DDT)	10,190,027	10,273,183
2,4-Dichlorophenoxyacetic acid (2,4-D)*	2,963,325	3,154,268
Esters and salts	1,660,774	2,006,223
Acid equivalent of 2,4-D esters and salts	1,315,979	1,628,446
Hexachlorocyclohexane (BHC)	6,492,307	3,700,511
Gamma isomer content of BHC	1,071,258	846,353
Tetramethylthiuram sulfides	269,928	487,432
2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	111,072	.....

*Includes 2,4-D acid produced, separated and consumed in plant in the manufacture of its derivatives.

Petroleum Derivatives

The market was quiet but steady last week, it was reported. Propane continued to show great strength. Surveys showed that last year was the strongest the LPG's have known to--date. Insecticide sales were reported by dealers to be showing progressive strength through the winter months. This has been attributed to export sales to southern hemisphere countries. Automobile industry sales continue to give strength to the aromatics, particularly the partials, though some dealers have marked a pending ease in this market.

The amount of domestic crude petroleum that will be consumed or exported this month is estimated by the Bureau of Mines as 6,940,000 barrels daily, as compared with the 6,850,000 forecast for December, 1955.

The estimated total demand for 1955 showed a gain of 7.6 percent compared with 1954, including increases of 3.8 percent in total exports and 7.7 percent in domestic demand. These high percentage gains were due, to a considerable extent, to comparison with the small relative gains in 1954 as compared with 1953. Demand forecast for 1956 shows a gain of 3.9 percent in total demand, including a decline of 9.9 percent in total exports and a gain of 4.5 percent in domestic demand.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Jan. 14, 1955
104.37	104.37	103.32	104.42

For Current Prices see Page 9

Solvents and Diluents

Benzol—Good sales for this commodity were continued last week, it was noted, with particular strength being shown in coating materials sales. Insecticide sales also, which reached new hights last summer, appear to have clung to some of their firmness during the cold months through export sales to southern hemisphere countries. Production was considered good, producers noted.

Partial Aromatics — Sales continued to show advancement for this solvent it was reported. The continued encroachment of partial aromatics into the market of fuller and more expensive aromatics was a major factor, most producers agreed. Production showed some progress; there were no quotation changes.

Xylol—Insecticide sales, according to one producer, are more and more becoming a year-round matter, in contrast with a nearly completely seasonal nature in years gone by. This is essentially due to the development of the export market. Initial work to a great degree was done through government aid to backward areas, it was noted. But since then sales work by producers and distributors have developed the market considerably.

Lighter Fractions

LPG's—Figures compiled by one of the major producers show a steady advancement of sales in LPG's since the beginning of the survey, 33 years ago, it was reported. Other facts reported include:

Sales in 1955 increased by 880,467,000 gallons, the largest volume increase in the industry's history. Total sales for the year came to an estimated 6,006,000,000 gallons, a 17.2 percent gain over 1954 and about 30,000 times the total in 1922 (the first year for LPG sales). Sales for 1955 exceeded total sales of the first 24 years of the industry, combined, or, for all years prior to 1946.

Demand in areas of new use, such as tobacco curing, crop dehydration, weed burning and weed control, is growing.

Present underground storage capacity totals 602,700,000 gallons with an additional 292,000,000 gallons of underground storage either under construction or proposed.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 24 totaled 260,936,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 258,059,000 barrels for the preceding week this represents an increase of 2,877,000 barrels comprising an increase of 2,859,000 barrels in stocks of domestic crude and an increase of 18,000 barrels in stocks of foreign crude.

Waxes

Microcrystalline — A continued strong market was shown by this wax last week, it was reported. Firmness was present in both the domestic and the foreign market. Though the former is by far the greater in size and strength, the later is easily the swifter in development and growth. According to dealers, both markets can attribute their strength to developments in the wax container field. There were no price changes.

Paraffin—This wax has continued pretty much on an even keel, according to producers, it was noted last week. Demand, though showing no progressive firmness on the one hand, does not appear, on the other hand, to have lost any ground either. Production is good; stocks are heavy. Dealers see no price change in the immediate future.

Miscellaneous Materials

The daily average production of crude oil and lease condensate for the week ended December 30 was 6,987,050 barrels of which 123,750 barrels were lease condensate mixed with crude.

Reports received from refining companies indicated that the industry as a whole ran to stills on a Bureau of Mines basis approximately 7,907,000 barrels of crude oil daily.

Current reports of the industry for the week ended December 23 indicate an increase in crude oil production and an increase in crude runs. According to the American Petroleum Industry, the daily average output of crude (including lease condensate was 6,992,000 barrels, an increase of 46,000 barrels from the preceding week. Daily average crude runs to stills of 7,838,000 barrels were 154,000 barrels above the preceding week, and 550,000 barrels above the week ended December 24, 1954. Runs of foreign crude amounted to 860,000 barrels daily compared with 863,000 barrels in the preceding week. For the four-week period ending December 23 crude oil production averaged 6,924,000 barrels daily and crude runs to stills averaged 7,735,000 barrels daily with runs of foreign crude averaging 837,000 barrels daily.

Los Angeles Petroleum Market

Strong demand continued for butane and propane with no surplus of stocks reported. Listings were firm and unchanged as follows:—Propane quoted .059 per gallon, tankcar basis, f.o.b. Los Angeles; butane posted .069 per gallon, same basis. The solvent and diluent market witnessed little change. Moderate demand was reported for lacquer diluents and light paint thinners with listing at 20.7c. per gallon.

IN FORMULATING QUALITY PAINTS, VARNISHES AND LACQUERS IT'S EASIER TO ACHIEVE

UNIFORMITY

WITH THOSE UNIFORMITY-FAMOUS

APCO INDUSTRIAL NAPHTHAS

—APCOTHINNER, PETROLENE, TROLUOIL AND APCO CUSTOM NAPHTHAS

PRODUCERS REFINERS

Anderson-Prichard Oil Corporation

OKLAHOMA CITY, OKLA.

BRANCH OFFICES IN ALL PRINCIPAL CITIES

ORGANIC PEROXIDES

LUCIDOL

OFFERS

THE MOST

COMPLETE

LINE OF

ORGANIC

PEROXIDES

IN THE INDUSTRY

LUCIDOL DIVISION

WALLACE & TIERNAN INCORPORATED

BUFFALO 5, NEW YORK

HEYDEN

FORMIC ACID

90% and 85%

Serves in many fields, including textiles, leather, rubber, paper, pharmaceutical and chemical manufacturing. Shipped in 125 lb. carboys and 525 lb. stainless steel drums.

SODIUM FORMATE

A product of superior quality used in chrome tanning of leather, manufacturing of paper products, dyeing and finishing of textiles and as an industrial buffering agent. Shipped in 50 lb. multi-wall bags.

FINE HEYDEN CHEMICALS

HEYDEN CHEMICAL CORPORATION

342 Madison Ave. • New York 17, N.Y.

Chicago•Cincinnati•Detroit•Philadelphia•Providence•San Francisco

Aliphatic Organics

The spot market was quiet insofar as concerned price changes, o which there were none, last week. In view of the current high leve of industrial activity, chemical producers were virtually unanimou in their optimism for prospects in the coming year. Demand for anti freeze, which was exceedingly heavy last year, has carried over virtuall undiminished. With a record number of automotive vehicles, cars, trucks and buses on the nation's highways, consumption of antifreeze has grown to a considerable volume and the possibility of even higher levels this coming year was considered likly in some quarters. With increasing emphasis being placed on the ownership of more than one car in every family, the future trend for manufacturers of antifreeze chemicals, indicates a rising level of consumption.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 14, 1955
131.00	131.00	130.73	130.43

For Current Prices see Page 9

The solvents group continued in good, overall demand last week. The recent price increase in this group has not any noticeable affect upon inquiry, it was felt.

News that the railroads have requested the Interstate Commerce Commission to approve a 7 percent increase in freight rates across the board, however, has alarmed a number of producers. The ICC's rate was slated to hold hearings on the bid for a rate increase starting February 13. On February 20, the full commission will hear arguments on the whole question of whether the proposed boost should go into effect. The railroads contend that higher operating costs make a rate increase imperative. It was considered doubtful that chemical producers would be willing to absorb the higher freight costs and thus any approval of higher rates could upset the current price setup, it was said.

Acetic Anhydride—Production of acetic anhydride amounted to 70,721,654 pounds in October, 1955, compared to 66,298,847 pounds in September, according to the United States Tariff Commission.

Butyl Alcohol—Demand for butyl alcohol was reported to be proceeding at satisfactory levels. Production, however, was noted to have steadily declined in face of heavy competition from a considerable number of other lacquer solvents. Output of butanol in the May-August period was reported to have been about 14 percent lower than in the preceding four months, according to the Tariff Commission. Exports, however, were higher last year than in 1954. The cumulative total output in the first eight months of last year amounted to 151,738,000 pounds compared to 117,681,000 pounds produced in the similar period in 1954.

Carbon Tetrachloride — Demand for carbon tetrachloride was reported to be running at a sustained rate. The heavy volume of activity in the metals field with appliances and car manufacturing contributing to the peak volume has been a major factor in carbon tetrachloride consumption.

Supplies were adequate to cover consumer requirements while prices were steady. The outlook for the immediate future was for a continuation of current consumption levels. Production of carbon tetrachloride totaled 22,433,458 pounds in October according to the Tariff Commission compared to 21,703,328 pounds in September. The cumulative production total of carbon tetrachloride for the January-August, 1955 aggregated 183,173,000 pounds compared to 155,706,000 pounds produced during the corresponding period in 1954. Production of carbon tetrachloride in the first eight months of 1955 was greater than in any like period since the years 1951-1952. Recent output has been moving at better than 20,000,000 pounds monthly. Total output for 1955 was expected to have exceeded the preceding year substantially.

Ethanolamines—Demand for the ethanolamines continues at a steady pace. Supplies were adequate to meet consumer requirements while prices were steady.

Production of the ethanolamines (mono-, di- and tri-) in October last year amounted to 7,393,101 pounds compared to 7,145,938 pounds in September, according to the Tariff Commission. Cumulative production for the first five months of 1955 totaled 31,703,000 pounds compared to 39,467,000 pounds produced in the period of January to August the year previous.

It has been reported that one major manufacturer of ethanolamines is currently planning an expansion of his facilities to more than double present capacity. The ethanolamines are finding extensive use in a variety of industries and products. Among the more important were gas treating H_2S and CO_2 removal from refinery gases), corrosion inhibition, detergents, textile intermediates and softeners, cosmetics, toilet goods, pharmaceuticals and rubber chemicals.

Ethylene Glycol — Demand for ethylene glycol continues at an excellent rate. Consumer buying in the past few months have been at high levels as a result of the ever-increasingly number of automotive vehicles which are on the road and which require antifreeze protection during the cold weather months. Predictions of a severe winter were also believed to have boosted sales somewhat higher than normally in view of the greater volume of antifreeze needed.

Supplies of ethylene glycol remain in rather short supply and it appeared that production during the months to come will be maintained at a high level. Prices were steady and firm.

Output of ethylene glycol during the month of October last year aggregated 84,693,376 pounds compared to 84,885,032 pounds turned out in September of 1955, the Tariff Commission reports. The cumulative total production for ethylene glycol in the first eight months of last year amounted to 540,723,000 pounds compared to 378,995,000 pounds in the same period in 1954. The increase in overall production in this period was 43 percent greater than in 1954. The production trend in this glycol is of interest in that it tops all chemicals in the synthetic organic group.

Formaldehyde—The market was unchanged last week. Demand continued strong while supplies were adequate on the whole but tight in spots. It was estimated that production facilities will have been increased approximately 25 or more percent by the end of 1956. One producer recently announced that he had started formaldehyde production in what was believed to be the largest such facility in the world. Rated capacity for formaldehyde output was approximately 400,000,000 pounds annually. This is almost 20 percent of the overall total capacity of formaldehyde producers in this country.

Formic Acid — The market was steady and unchanged. Production of formic acid in October amounted to 1,259,097 pounds, according to the Tariff Commission compared to 1,250,149 pounds in September.

Hexamethylenetetramine — Demand for hexamine, as it is called

MATHIESON

Formaldehyde

The exceptional purity and uniformity of Mathieson Formaldehyde make it ideal for use in the manufacture of phenolic, urea and melamine resins, pentaerythritol, hexamine, pharmaceuticals, dyes, and as a deodorant, disinfectant and preservative. Available in inhibited and low methanol grades in tank cars, tank trucks and compartmented tank trucks from Morgantown, W. Va.

3766

MATHIESON CHEMICALS
OLIN MATHIESON CHEMICAL CORPORATION
INDUSTRIAL CHEMICALS DIVISION • BALTIMORE 3, MD.

MATHIESON

Aliphatic Organics

in the trade, was reported to be fair. Supplies were ample to cover trade needs.

Production of hexamethylenetetramine totaled 1,888,801 pounds in October compared to 1,772,757 pounds, the Tariff Commission reports.

Methanol—Production of methanol continues at peak levels as producers attempt to keep up with the heavy demand. Supplies continue tight and it appeared probable that this situation would continue to prevail for some time. Prices remain quite firm.

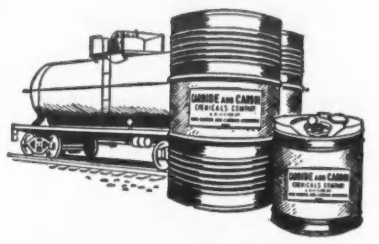
Production of synthetic methanol was reported to have totaled 117,516,963 pounds in October, 1955, compared to 116,797,110 pounds turned out in September last year. It was of interest to note that methanol was one of the few chemicals the expansion goal of which has yet to be reached. In a recent survey of the expansion goal situation, production capacity for methanol as of June, 1955, amounted to some 211,000,000 gallons while the goal set by the government is 226,000,000 gallons.

Perchloroethylene — Demand for perchloroethylene was reported to be at a high level. Supplies were generally adequate to cover existing industry requirements. Prices were steady.

Production of perchloroethylene during the past year was reported to have exceeded that in 1954 by a substantial margin. Another manufacturer has announced a planned addition to his facilities which is scheduled for completion by early 1957 and it was anticipated that capacity would be sufficient to keep up with consumption.

Production of perchloroethylene (tetrachloroethylene) in October amounted to 17,820,074 pounds, according to the Tariff Commission, compared to 13,970,933 pounds turned out in September, 1955.

TRIETHANOLAMINE



Albany
Boston
New York
Newark
Philadelphia
Baltimore
Charlotte
Atlanta
Buffalo
Pittsburgh
Cleveland
Cincinnati
Detroit
Indianapolis
Chicago
St. Louis
Houston
Seattle
San Francisco
Los Angeles

Drum stocks of Triethanolamine are maintained in principal industrial areas. Larger quantities are shipped directly from our plants. Phone or write our nearest office for information and prices.

Carbide and Carbon Chemicals Company
A Division of
Union Carbide and Carbon Corporation
UCC
30 East 42nd Street, New York 17, N. Y.
In Canada: Union Carbide Canada Limited, Toronto

LEVER BROTHERS COMPANY
Producers and Refiners of
NATURAL GLYCERINE
390 Park Avenue New York 22, N. Y.

SHEFFIELD
CHEMICAL, NORWICH, N. Y.
New York City Sales Office: 1267 Sixth Avenue, New York 19, N. Y.

lactose
U.S.P.—*for pharmaceuticals*
Edible—*for foods*
Crude—*for fermentations*

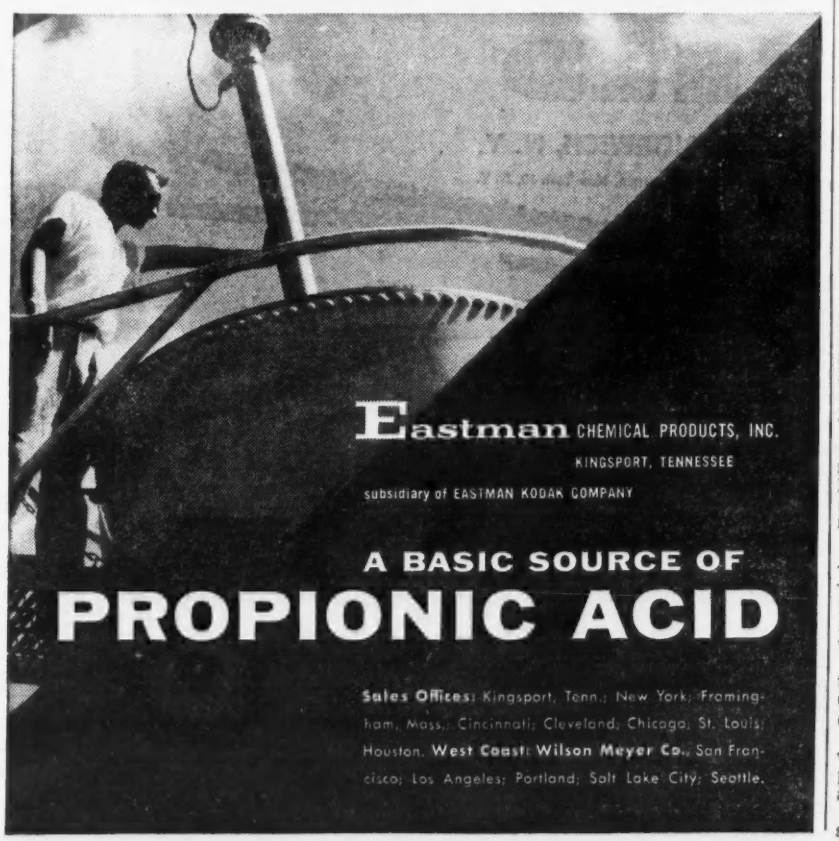
PROCTER & GAMBLE
Gwynne Building, Cincinnati 2, Ohio
Commerce Building, 155 East 44th Street
New York 17, N. Y.

Glycerine
ALL GRADES

9 CONVENIENTLY LOCATED
PRODUCING AND REFINING PLANTS
ASSURE PROMPT SHIPMENTS AND DELIVERIES

RANEY CATALYST CO.
Originators and Dependable Suppliers of
RANEY CATALYSTS
Raney NICKEL
718 Hamilton National Bank Bldg.
Chattanooga 2, Tenn.
Since 1925 Phones: 6-8616, Taylor 1-7823 Cable Address: RANI

THE KEY TO HARCHEM SEBACIC HEAT AND LIGHT STABILITY
SEBACIC ACID is a PURE Chemical
Harchem Sebacic Acid is suitable for your most exacting developments and provides outstanding
HIGH TEMPERATURE STABILITY • BUILT-IN FLEXIBILITY
MAXIMUM LIGHT RESISTANCE
so essential to Alkyds, Polyesters, Polyamides, Plasticizers and Synthetic Lubricants.
H-13
HARCHEM DIVISION
WALLACE & TIERNAN INC.
25 MAIN STREET, BELLEVILLE 9, N. J.
IN CANADA: W. C. Hardesty Co. of Canada, Ltd., Toronto


Eastman CHEMICAL PRODUCTS, INC.
KINGSPORT, TENNESSEE
subsidiary of EASTMAN KODAK COMPANY
A BASIC SOURCE OF
PROPIONIC ACID
Sales Offices: Kingsport, Tenn.; New York; Framingham, Mass.; Cincinnati; Cleveland; Chicago; St. Louis; Houston. West Coast: Wilson Meyer Co., San Francisco; Los Angeles; Portland; Salt Lake City; Seattle.

Dow Appoints Managers For Two New Facilities

Managers have been appointed for two new plants to be completed this year for the production of "Styrofoam" plastic foam, Dow Chemical Company, Midland, Mich., has announced.

Merrill H. Weymouth will assume management of the plant near Ironton, Ohio, to be known as the Hanging Rock Plant. Robert E. Reinker will manage the Riverside Plant at Pevely, Mo., twenty-five miles south of St. Louis. The plants are scheduled for completion this fall.

Interhandel Told

—*Continued from page 3*

failed to produce certain bank records demanded by the Department of Justice.

The ruling of the Court of Appeals was in support of an order by the United States District Court for the District of Columbia which heard the evidence in the case.

In sustaining the district court, the appeals court, however, gave the Swiss firm six months within which to supply the documents called for by the government.

Interhandel had pleaded inability to produce the documents on the grounds that to do so would violate the Swiss secrecy laws.

Legislation authorizing sale of the chemical firm to private interests in advance of a judicial ruling on the question of whether or not it was enemy-owned or controlled at the time of its seizure, is now pending in the senate and house.

The administration has asked for favorable action on the bill, but there has been no indication from the congressional committees as to when this might occur.

Commenting on the high court's decision, John R. Wilson, attorney for Interhandel, said the company will continue its seven-year fight to obtain a court trial for recovery of General Aniline.

He noted that Interhandel still has six months "in which to produce the remaining records of a Swiss bank which were demanded by the Alien Property Office."

If these records can be gathered in time, he said that he is confident that Interhandel will have "no difficulty" in proving its case.

Montan Wax Dumping

—*Continued from page 3*

of montan wax under the trademark "Riebeck," testified that any violations of the law that occurred were technical and not predatory in nature. The Treasury's finding, he said, was the result of comparing prices to the United States and West Germany, which are not comparable.

He said that he imports the wax only in crude form for resale, whereas West Germany imports for the purpose of refining and direct use in manufacturing a refined and compound product which allows for the payment of a premium price for the crude montan wax.

He added that he has taken steps to insure that purchases are now being made at world primary market prices and under conditions which will preclude any possibility that imports to the United States will be at less than fair market value. He stopped the imports last February as soon as he learned of the anti-dumping investigation.

Rubber Authority

—*Continued from page 3*

in mid-February. The Institute plant is the last of the government-owned synthetic rubber plants to be disposed of and is the largest of them all.

The commission's report also summarized the financial return to the government from the entire disposal program as in excess of $447,000,000 and sighted the statutory requirements of the disposal legislation which guided the commission in recommending the sale of the Institute plants.

A congressional committee hearing on the recommendations of the commission may be held later this week. Some of the liberal members of congress object to the sale because they fear it will lead to a monopoly.

Antitrust Laws

—*Continued from page 7*

School, who will speak in "defense of the report by the attorney general's committee.

The introductory statement for the afternoon session will be given by Jerrold G. Van Cise, of the firm of Cahill, Gordon, Reindel & Ohl.

Mr. Barnes will speak on the extent to which the laws administered by the Department of Justice apply to the antitrust aspects of organized labor.

Theophil C. Kammoholz, general counsel for the National Labor Relations Board, will speak on the extent to which the laws administered by the National Labor Relations Board apply to the antitrust aspects of organized labor.

Arthur Goldberg, general counsel for the old Congress of Industrial Organizations, will speak on the extent to which the foregoing laws apply—and/or should be supplemented to apply—to the antitrust aspects of organized labor.

Lambert H. Miller, general counsel for the National Association of Manufactuers, will speak on the same subject as Mr. Goldberg.

Ethylene Imine
(boiling range 55° to 57° C)
and Triethylene Melamine
now available in semi-commercial quantities
Chemirad Corporation
P. O. Box 152
Port Washington, L. I., N. Y.

It's better to get it from Eastman...
larger-than-laboratory amounts of a Rare organic
Skilled professional personnel, with their wide experience in producing some 3500 Eastman Organic Chemicals, will be glad to help you. And our great variety of equipment for all types of organic reactions is at your service for bulk production.
For information or a quotation, write to *Distillation Products Industries*, Eastman Organic Chemicals Department, Rochester 3, N. Y.
DPi
DISTILLATION PRODUCTS INDUSTRIES
is a division of
EASTMAN KODAK COMPANY

Consulting Chemists and Engineers

ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS, INC.

80 East 41st Street, Room 82 — New York 17, N. Y. LExington 2-1130

A Clearing House — Reg. U. S. — *For Consultants* — Pat. Office

WHEN YOU NEED A CONSULTANT ADDRESS THE ASSOCIATION
NO CHARGE FOR THIS SERVICE

Members Located From Coast To Coast Render Services In Any Given Field

Cable: CHEMANENGS, New York

CARL N. ANDERSEN, Ph.D.

Consulting Chemist

COSMETICS, SOAPS AND SYNTHETIC DETERGENTS

52 Vanderbilt Ave., New York 17, N. Y. Room 2008 Phone: MU 9-0789

Laboratory: Briarcliff Manor, New York Phone: Briarcliff 6-1550

R. S. ARIES & ASSOCIATES

Consultants to the Chemical Industries

New, Profitable Products

Process Analysis—Market Research
Technical & Economic Surveys
Sale and Licensing of Efficient Processes
Complete Chemical and Drug Plants

270 Park Avenue New York 17, N. Y. ELdorado 5-1430

BJORKSTEN RESEARCH LABORATORIES

Sponsored Industrial Research

MADISON, WIS. .....323 W. Gorham St.
CHICAGO, ILL. .....1525 E. 53 St.
CLEVELAND, OHIO.....10524 Wilbur Ave.
HOUSTON, TEXAS ....2611 Sunset Boulevard
WASHINGTON, D. C.....412 Fifth St., N.W.

BODE-LOWRY AND ASSOCIATES

CHEMICAL MARKET RESEARCH AND SALES DEVELOPMENT

86 E. JACKSON BLVD., CHICAGO

RESEARCH AND PRODUCT DEVELOPMENT

Oils, coatings, detergents, Plastics. Organic and drug analyses. Testing work.

COLBURN LABORATORIES, INC.

Research Chemists

732 S. Federal St. Chicago 5, Ill.

THE BIGGEST MARKET for CONSULTATION SERVICES is among the readers of OIL, PAINT AND DRUG REPORTER

Tell them about yours

SPECTROGRAPHIC ANALYSES

Qualitative and Quantitative Since 1936

Micro and Semimicro analyses of metallics; convention and metallurgical analyses, metallography, metal failures investigated, heat treating consultants, photomicrographs, Jominy Hardenability, physical tests.

W. B. COLEMAN & CO.

9th St. & Rising Sun Ave. Philadelphia 40, Pa.

CRIPPEN & ERLICH LABORATORIES, INC.

A Subsidiary of Foster D. Snell, Inc., N.Y. C.
1138 E. North Avenue
Baltimore 2, Md.

Research - Development - Analyses - Testing - Metals - Alloys - Organic Chemicals - Paints - Wines and Liquors - Agricultural Chemicals

Foster D. Snell, Inc.

DI CYAN & BROWN

Consulting Chemists

12 East 41st Street, New York 17, N. Y.
MUrray Hill 5-0011

CONSULTANTS IN DRUGS & COSMETICS

Scientific & Regulatory Problems
New Products

THE BIGGEST MARKET for CONSULTATION SERVICES is among the readers of OIL, PAINT AND DRUG REPORTER

Tell them about yours

Fitelson Laboratories, Inc.

Consulting and Analytical Chemists

J. Fitelson, Ph.D., Director

Foods, Spices, Oils, Drugs, Cosmetics

Specialist on labeling, sanitation and chemical problems connected with F.D.A. procedures.

254 W. 31st Street, New York 1, N. Y. OX 5-0765

FOOD RESEARCH LABORATORIES, INC.

FOUNDED 1922

Bernard L. Oser, Ph.D., Dir

RESEARCH—ANALYSES —CONSULTATION

Biological, Nutritional, Toxicological Studies for the Food, Drug and Allied Industries

48-14 33rd St., Long Island City 1, N. Y. STillwell 4-4814

EMILE C. FREELAND

Consultant to LATIN AMERICAN AND TROPICAL INDUSTRIES

Raw and Refined Cane Sugar
Cane Sugar By-Products
Vegetable Oils and Lard, Oleomargarine
Agricultural Products and Methods
Economic Surveys, Development, Marketing
Factory Design, Supervision, Modernization

SE HABLA ESPANOL

1158 Fifth Ave., New York 29, N. Y. TRafalgar 6-1109

HUDSON LABORATORIES, Inc.

Consulting Chemists and Bacteriologists

Roger F. Lapham, M. D., Director

Testing Analysis Formulation Research

BACTERIOLOGY, CHEMISTRY, TOXICOLOGY

Foods Drugs Cosmetics
Disinfectants Antiseptics Sanitizers

117 W. 13th Street, New York 11, N. Y. ALgonquin 5-6290

KENDALL INFRARED LABORATORY

David N. Kendall, Ph.D., Director

Qualitative and Quantitative Analyses on All Organics and Most Inorganics

Consultation—Research—Personnel Training

1030 Sherman Ave. Plainfield, N. J. PLainfield 4-5205

LAWALL & HARRISSON

CHEMICAL ● BACTERIOLOGICAL PHARMACOLOGICAL

Analyses ● Consultation Research

FOOD AND PHARMACEUTICAL PROCESS ENGINEERING

Div. O. 1921 Walnut Street Philadelphia 3, Pa.

LEBERCO LABORATORIES

Hormone Assays — Biological Assays
Pharmaceutical and Cosmetic Research
Sterility Tests ● Toxicity Studies

Send for information concerning our services

125 Hawthorne St., Roselle Park, N. J.

ERNEST C. MOFFETT

CONSULTING CHEMIST

Offers Unique Experience in the Organization and Management of Industrial and Research Laboratories and in the Evaluation of New Projects.

582 Barron Avenue, Woodbridge, N. J. WOodbridge 8-2170

MOLNAR LABORATORIES

Consulting Testing and Research

- Organic Synthesis
- Clinical Studies
- Product Development & Control
- Toxicity and Dermatitis Tests
- Disinfectant Testing

211 E. 19th St., New York 3, GR. 5-1030

Cable Address: Molchem

THE BIGGEST MARKET for CONSULTATION SERVICES is among the readers of OIL, PAINT AND DRUG REPORTER

Tell them about yours

AARON PERMUT

CONSULTING CHEMIST

ORGANIC PIGMENTS
PIGMENT DISPERSIONS
FLUSHED COLORS

- Plant Design ● Applications
- Formulation ● Market Analysis
- Development ● Domestic & Foreign

263 Washington Place

HASBROUCK HEIGHTS, N. J., HA 8-1456

EST. 1865

W. S. PURDY COMPANY

Analytical & Consulting Chemists

TESTING OF PETROLEUM OILS WAXES AND RELATED PRODUCTS

Bayway Terminal Bldg.
c/o Charles Martin & Co.
Elizabeth, N. J.
Phone ELizabeth 3-3894

RESIN RESEARCH LABORATORIES, INC.

406 Adams Street, Newark 5, N. J. Market 2-5251

RESEARCH, DEVELOPMENT TESTING, EVALUATION

Resin and Polymer Synthesis

Coatings—Paints, Varnishes, Lacquer Waxes, Mastics

Moulding, Laminating, Casting, Extrusions, Calendering, Adhesives

Corrosion, Insulation

Testings, Evaluation, Application Market Research

SEIL, PUTT & RUSBY, INC.

Established 1921

Earl B. Putt, President
Stephen S. Voris, Ph.D., Chief Chemist

Experts in analyses, of drugs, essential oils, spices, rotenone and pyrethrum and other organic insecticides, flavors alcoholic liquors, toilet preparations, proprietaries and special formulae.

16 E. 34th St., New York 16, N. Y. Phone MUrray Hill 3-6368

LOUIS L. SHAPIRO

CHEMICAL CONSULTANT

28 Middagh St., Brooklyn 1, N. Y. TRiangle 5-7715

SPECIALIST—Glycol Esters, Fats, Oils Stearic Acid, Fatty Acids Glycerine Waxes, Emulsifiers, Protein, Fertilizers, Tallow Rendering, Packing House By Products, Soaps, Cosmetics, Adhesives, Distillation, Dowtherm Processes Testing Research, Economic Surveys.

SKEIST LABORATORIES

89 Lincoln Park, Newark 5, N. J. MArket 3-5002

POLYMERS — PLASTICS
COATINGS — ADHESIVES
SPECIALTIES

IRVING SKEIST, Ph.D., Director

J. L. K. SNYDER, Ph.D.

Specializing in Management Problems, Product Development, Distribution, and Sales Promotion in the Chemical Pharmaceutical and Nutrition Fields.

Suite 2401, 14 Wall Street New York 5, N. Y. Telephone: REctor 2-2680

MONTCLAIR 3-2598

DONALD F. STARR, Ph.D.

CONSULTING CHEMIST

256 NORTH MOUNTAIN AVENUE UPPER MONTCLAIR, N. J.

Insecticides — Fish Control
Aerosols - Rodenticides — Agricultural Chemicals

STILLWELL & GLADDING, INC.

130 Cedar Street, New York 6, N. Y.

Analysis — Inspection — Sampling

Chemicals, drugs, fats, oils, fertilizer, insecticides glycerine, soaps solvents waxes, rotenone, etc.

For Over 80 Years

SUPPLEE LABORATORIES

A Division of Foster D. Snell, Inc., N. Y. C.
Bainbridge, N. Y.

Vitamin Assays on Milk, Foods and Drugs
Thermodynic Plate Counts
RATS FOR RESEARCH
Send for Price List R
Wistar Strain

Foster D. Snell, Inc.

TECHNICAL ENTERPRISES, INC.

CHEMISTS ENGINEERS CONSULTANTS

Process Development and Process Engineering

Complete Chemical and Drug Plants

31 South St. New York 4, N. Y. WHitehall 3-1544

UNITED STATES TESTING COMPANY, INC.

1415 Park Avenue, Hoboken, N. J.

Testing — *Research*

Chemistry — Minerals
Engineering — Microscopy
Electronics — Product
Psychometrics — Certification
Textiles — Engineering
Foods — Inspection
Leather — Product Development

BRANCH LABORATORIES

New York — Boston — Providence
Philadelphia — Chicago — Denver
Dallas — Los Angeles — Memphis
IN CANADA: W. J. Westaway Co. Ltd.
Hamilton Toronto Montreal Winnipeg

EMERSON VENABLE*

AND ASSOCIATES

Consulting Chemists & Engineers

Pa. Registry No. 12606

PHYSICS
CHEMISTRY
ENGINEERING
TOXICOLOGY
PUBLIC HEALTH
METALS and ORES
CONTRACT RESEARCH
PROCESS and PRODUCT DEVELOPMENT

*Member—A.C.C. & C.E.

HI-land 1-8045

6111 Fifth Avenue Pittsburgh 32, Pa.

WELLS LABORATORIES, INC.

28 Concourse East, Journal Square Jersey City 6, New Jersey

Phones: (N. Y.) Digby 9-0127 (Jersey) JO. Sq. 2-1907

CONSULTANTS - RESEARCH - TESTING

MICROBIOLOGY — Biological Deterioration and Preservation
CHEMISTRY
TOXICOLOGY

PAINTS, FOODS, DRUGS, COSMETICS, TEXTILES, PLASTICS, OILS, DISINFECTANTS

ROGER WILLIAMS

Technical & Economic Services, Inc.

- ENGINEERING ECONOMICS
- MARKET RESEARCH
- PRODUCT EVALUATION

Write for "Profit Evolution"

148 East 38th Street, New York City 16 MUrray Hill 5-5257

LABORATORY SERVICES

Wisconsin Alumni Research Foundation

Vitamin and amino acid assays ● Proximate analyses and mineral determinations ● Biological assays of Vitamins A, D, E, and K ● Chick feeding tests ● Antibiotic assays ● Insecticide, fungicide, and bactericide screening ● Pharmacology and Enzyme studies.

Project research and consultation

WISCONSIN ALUMNI RESEARCH FOUNDATION
P.O. Box 2059-Y● Madison 1, Wis.

Current Prices

—*Continued from page 29*

Yellow, chrome, CP, bbls., dlvd. N. of Tenn., and N.C., E. of Miss., including Davenport, Minneapolis, Rock Island lb. .33 - .33½

Dlvd. Ala., Fla., Ga., La. (Shreveport 1½ higher); Miss., N. C., S. C., Penna., Dallas, Tex. 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso Tex. 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher; dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, 10 g, bbls., same basis as yellow, chrome lb. 2.25 - —
G pigment, bbls lb. 1.91 - —
Iron oxide, natural, French type, bgs., c.l., works lb. .05¼- —
Peruvian type, bgs. l.c.l lb. .038 - —
pure, bgs., c.l., works lb. .11½- —
l.c.l., works lb. .11¾- —
Mercury oxide, bbls., 1,000-lb. lots lb. 5.58 - —
smaller lots lb. 5.60 - —
Ocher (see Yellow, iron oxide, natural).
Zinc (chromate), bbls., dlvd lb. .27 - .27½
basic, dlvd lb. .31 - —
Yerba santa leaves, bls lb. .40 - .42
Yohimbine hydrochloride, bots, tin. oz. 4.50 - —

Z

Zein, bgs., 36,000-lb. lots or more lb. .38 - —
1,000 to 36,000-lb. lots, works lb. .40 - —
smaller lots, works lb. .43 - —
Zinc acetate, NF VIII, dms lb. .53 - —
tech., dms., works lb. .27 - —
Borate, bgs., c.l., dlvd. E lb. .192 - —
c.l. dlvd. E lb 202 —
Chloride, NF, gran., dms lb. .42 - —
precipitated, powd., dms lb. .26 - —
soln., 50%, dms., c.l., works, 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 6.10 - —
tanks, works 100 lbs. 4.85 - —
tech., fused, dms., c.l., works, 100 lbs.10.10 - —
l.c.l., works lb.10.60 - —
gran., fib. dms., c.l., works, 100 lbs.10.85 - —
l.c.l., works 100 lbs.11.35 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., 1,000-lb. lots or more, works lb. .523 - —
smaller lots, works lb. .543 - —
Dust, pigment, bbls., c.l., works, lb. .17½- —
l.c.l., works lb. .18½- —
Fluoride bbls., works lb. .49 - .50
Hydrosulfite, dms., c.l., frt. alld lb. .21½- —
l.c.l., frt. alld lb. .22 - .37½
Metal, prime western slabs, E. St. Louis lb. .13½- —
New York lb. .14 - —
Naphthenate, liq., 8% Zn., dms., frt. alld lb. .24½- —
10% Zn. dms., frt alld lb. .30 - —
Oxide pigment, American process, lead-free, bgs., c.l., frt. alld lb. .14 - —
l.c.l., same basis lb. .15 - —
Zinc oxide, leaded, 35%, bgs., c.l., mills, frt. alld lb. .14⅝- .15⅛
l.c.l., same basis lb. .15⅝- .16⅛
50%, bgs., c.l., same basis lb. .14⅞- .15⅝
l.c.l., same basis lb. .15⅞- .16⅛
French process, coml., green seal, bgs., c.l., frt. alld lb. .15¾- —
l.c.l., same basis lb. .16¾- —
red seal, bgs., c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16¼- —
white seal, bgs., c.l., same basis lb. .16¼- —
l.c.l., same basis lb. .17¼- —
USP, ctns., c.l., frt. alld lb. .17¼- —
l.c.l., same basis lb. .18¼- —
Zinc oxide Pac. coast prices 1c. higher.
Phenolsulfonate, NF, gran., dms. lb. .39 - —
powd., dms lb. .42 - .49
Resinate, precip., 7.2-7.6% Zn, dms., frt. alld lb. .29 - —
Silicofluoride, bbls., works lb. .12½- .14
Stearate, tech., USP, ctns., c.l. lb. .39 - —
lb. .39 - —
l.c.l. lb. .40 - .44
Sulfate, powd., monohydrate, 36% Zn, bgs., c.l., dlvd. E 100 lbs. 8.50 - —
l.c.l., dlvd. E 100 lbs. 9.50 - —
Zinc sulfate in bbls. 40c. higher.
USP gran dms lb. .26 - —
Sulfide, pure, bgs., c.l., dlvd lb. .2530- —
Undecylenate, dms. lb. 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 9.65 - —
bbls., c.l., works 100 lbs.10.25 - —
l.c.l., works 100 lbs.10.75 - —
Zinc-formaldehyde sulfoxylate, basic, dms., c.l. lb. .25½- —
l.c.l. lb. .26 - .41½
normal dms., l.c.l., works lb. .52 - —
Zircon (G), gran., bgs., c.l., works, lb. .03⅛- —
5 tons to c.l., works lb. .03⅜- —
1 ton to 9,999-lb lots, works, lb. .04 - —
smaller lots, works lb. .06½- —
milled, bgs., c.l., works lb. .04⅛- —
5 tons to c.l., works lb. .04⅜- —
1 ton to 9,999-lb lots, works, lb. .04⅝- —
500-1999-lb. lots, works lb. .07½- —
Zircon (G) in barrels, 1c. higher.
Zirconium acetate, 13% sol'n. ZrO_2, c.l., 30,000 lbs. minimum, works lb. .23 —
Hydride cns., works lb. 7.60 8.45
Nitrate dms., ex whse lb. 4.50 7.00
Oxide, 92½-99%, white, grd., bbls. or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5-ton lots, works lb. .44½- —
1 ton to 9,999-lb. lots, lbs., works lb. .45 - —
CP, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric fused, bags, 500 to 1,999-lb. lots, works lb. .45½- —
smaller lots, works, lb. .48 - —
milled, electric-fused, bgs., c.l. works lb. .58 - —
5-ton lots, works lb. .59½- —
1 ton to 9,999-lb lots, works lb. .60 - —
500 to 1,999-lb. lots, works lb. .60½- —
smaller lots, works, lb. .63 - —
Oxychloride, cryst., ctns., 5-ton lots, works lb. .35½- —

If you use

PHTHALIC

ANHYDRIDE...

Try Barrett for size. We produce more Phthalic Anhydride and the Naphthalene from which it is derived than anybody else in the world. Barrett's basic position, production experience and the most complete production facilities assure you a product of unsurpassed uniformity, purity and quality.

Try Barrett for service. Barrett's four "P.A." plants — one in Chicago, one in Ironton (Ohio) and two in Philadelphia — are strategically situated to serve major users of Phthalic Anhydride. No other producer has such an effective distribution set-up.

Try Barrett for convenience. Your order of Barrett Phthalic Anhydride comes to you in the form most suited to your convenience — flaked in 5-ply 80-pound paper bags . . . or in liquid form in tank cars and tank trucks. And unitized shipments, arranged on request, save our customers handling time and costs.

• • • •

BARRETT DIVISION, Allied Chemical & Dye Corporation, 40 Rector St., New York 6, N. Y.

In Canada: The Barrett Co. Ltd., 5551 St. Hubert St., Montreal

Allied Chemical

Barrett®

BARRETT CHEMICALS

OVER 100 YEARS OF EXPERIENCE

Coal Chemicals

The industry's major products continued to move well last week. Most trade sources expressed confidence that growing markets and expanding facilities would compensate whatever decline might be effected by the automotive cutback and a possible slow-down in construction activity. In some instances, there was a slight decline in trade diagnosed as a temporary effect of changing buying patterns. The concensus was that trade this year will at least match the healthy volume recorded last year.

Benzol and phenol continued in good balance. Xylol was again in a sold-up position in most areas. Toluol was loose but strong enough to exhibit a good degree of price stability. Cresols, cresylic acid and naphthalene were traded vigorously. All the picoline fractions were moving promptly into consuming channels. Creosote was still long, and quinoline was sluggish. There were reports that the trade in pyridine was picking up somewhat.

The American Iron and Steel Institute estimated steel production in the week ended January 15 would amount to 97 percent of theoretical capacity. This is equivalent to output of 2,388,000 tons of steel, compared to 2,403,000 tons produced in the week previous, 2,421,000 tons produced in the corresponding week last month and 2,007,000 tons turned out in the comparable week a year ago.

Price Trends

Advanced
6-tert-Butyl-m-cresol

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Jan.13, 1955
114.80	114.80	114.62	114.54

For Current Prices see Page **9**

Basic Products

Benzol—Demand was holding up well as production began to climb back to the record pre-holiday level.

Creosote Oil—Producers were doing a good business in light of current conditions and hoped to generate enough additional business late this year to obtain better balance with the industry's big production volume. The Tariff Commission reported that tar distillers produced 8,042,027 gallons in October, bringing the total produced by cokeoven operators and tar distillers in that month to 10,296,259 gallons. In comparison, the tar distillers produced 7,141,295 gallons in September, while the total September output amounted to 9,783,824 gallons. The increase in October amounted to 13 percent on the part of tar distillers, 5 percent over-all.

Naphthalene—Production was being pushed vigorously to narrow the gap between supply and urgent demand in the tense atmosphere created by the disappearance of imports at a time when the trade in naphthalene had been accelerated rapidly. Tariff Commission figures showed that tar distillers increased their crude output 5 percent in October, from 23,313,238 pounds in September to 24,464,555 pounds in the following month, bringing the total crude production from cokeoven operators and tar distillers in October to 40,707,574 pounds, up 35 percent over the total crude output of 30,046,742 pounds in September.

Better balance was observed in the market for refined, the supply being adequate in general to meet a stable demand. The Tariff Commission reported tar distillers cut production of refined 18 percent in October, from 8,278,787 pounds in September to 6,819,897 pounds in the following month.

Phenol—There were no changes in this market last week. Production and demand continued to show strength and were in equilibrium in most quarters. There was some question whether prices might be changed in response to the increased prices for cresols and cresylic acid, but producers were satisfied for the present, at least, to capitalize on the current good volume of trade rather than to broaden the unit profit margin.

The Tariff Commission reported 42,234,286 pounds of synthetic and natural phenols, technical and USP grades, were produced from all sources in October. The figures represented a 13 percent increase over the corresponding 37,528,768 pounds produced in the month previous.

Xylol — Prices remained stable, while production was maintained at a high level, sufficient in most areas to match the strong demand. Output from all sources during October, according to figures published by the Tariff Commission, amounted to 10,977,256 gallons, up 2 percent over the September output of 10,769,453 gallons.

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending January 15 was as follows:—

Ammonia liquor	lbs.	1,116,461
Ammonium sulfate	lbs.	40,238,281
Benzol	gals.	3,859,764
Coaltar	gals.	17,671,978
Creosote oil	gals.	988,865
Naphthalene, crude	lbs.	2,727,354
Pyridine, refined	lbs.	23,709
Toluol	gals.	759,193
Xylol	gals.	202,558

Dyes

Prices of numerous textile dyes have been increased effective immediately, it was announced last week. Immediately effective increases in prices of a few other dyes, used in leather, paper and plastics, were announced at the same time.

The textile dyes affected, listed by prototype numbers, were:—

		Increase per lb.	New Price per lb.
168	Red G Dbl. Soln	.09	90
168	Red G. Powd	.18	$1.94
168	Red GB Powd	.18	1.94
169	Red R Dbl. Soln	.10	.97
169	Red R Powd	.19	2.08
170	Scarlet R Dbl. Soln	.11	1.00
170	Scarlet R Powd	.19	2.13
171	Yellow G Dbl. Soln	.09	.84
171	Yellow G Powd	.18	1.93
341	Blue G Conc. Soln	.07	.65
341	Blue G Powd	.17	1.82
345	Golden Yellow R Dbl. Sln.	.07	.93
345	Golden Yellow R Powd.	.20	2.23
547	Olive T Dbl. Powd	.86	3.16
547	Olive TRR Dbl. Powd.	.86	3.16
547	Olive T Paste	.43	1.43
547	Olive TRR Paste	.43	1.43
	Red B Dbl. Soln	.11	1.00
	Red B Powd	.19	2.13

The prices of developer MTD, of both the crystals, used by the textile industry, and the powder, used in the textile and leather industries, were increased 6c. per pound to the new level for both of $1 per pound. The powder price applies to minimum orders of 200 pounds.

Paper dyes increased in price were those of ochre double concentrate, color index number 1267, up 1c. per pound to a new price of 6c. per pound, and Paris black extra, regular uncompressed and semi-compressed, which was increased ½c. per pound, to new prices of 9½c. per pound in carloads in bags, 10½c. per pound in carloads in cartons and 15¼c. per pound in less than carloads in cartons, for five or more cartons. Terms on shipment of Paris black extra were f.o.b. shipping point for carload orders and f.o.b. delivered via freight for less than carload orders.

The price of oil violet ZIRS, color index number 1073, a plastics dye, was increased 68c. per pound to a new price of $6.81 per pound.

Intermediates

Monochlorobenzene — Production of this high-volume intermediate

Coal Chemicals

apparently was overtaking pent-up demand in a fast-growing market. Tariff Commission figures showed a 25 percent increase in production for October, as compared to that for the previous month. The figures were 30,076,369 pounds in September and 37,650,140 pounds in October.

Styrene Monomer — Business has been brisk in all grades, especially in the synthetic rubber grade, which was said to be moving in increasing quantities into polyester resins, getting much of the trade formerly reserved for higher-grade styrene. The market in general had broadened and deepened considerably during 1955. Production capacity had kept pace with the increasing demand, and supply was said to be abundant in general, though some sources reported they were running from six to eight weeks behind on deliveries at this time.

Producers thought the lively pace of business would hold undiminished at least through the first six months of the new calendar year. The prospect that auton otive demand would decline was not overlooked, but suppliers did not expect severe effects. They pointed out that inventories were relatively low, that sale of replacement tires was expected to provide lively trade and that strong demand from outlets other than the automotive industry could be counted upon. One outlet that was growing fast, for example, was the formulation of polystyrene foams, which have been moving well in low-insulation applications, such as in walk-in refrigerators, and as a substitute for cork in flotation operations.

The Tariff Commission reported total styrene production of government and privately-owned plants in October amounted to 86,820,411 pounds, down 5 percent from the 91,362,784 pounds produced in the previous month.

Dr. Carl Shipp Marvel, research professor at the Noyes chemical laboratory of the University of Illinois and an authority on synthetic polymers, has won the American Chemical Society's Priestley medal for 1956.

Drug Law's Gala Year

—Continued from page 4

adopted and a suitable commemorative stamp is to be issued by the Post Office Department which will have its first day sale in Washington, D. C., June 27.

A Presidential proclamation to mark the week of June 24-30 as National Food and Drug Law's Golden Anniversary Week, also is in preparation.

Principal speaker at the "kick-off" luncheon was Commissioner George P. Larrick of the Food and Drug Administration who predicted that new developments from the scientific laboratories in the next decade or two will be startling and fantastic which will require an increase rather than a decrease in the need for regulation to assure the safety and effectiveness of drugs and the wholesomeness of foods.

Cleveland Steel Barrel Renamed

The name of Cleveland Steel Barrel Company, Cleveland, Ohio, has been changed to Inland Steel Container Company.

Contact
Koppers
for
High-Quality
Tar Bases

Refined Pyridine	2, 4, 6 Collidine
Denaturing Pyridine	Mixed Toluidines
Alpha Picoline	Quinoline
Refined Mixed Picolines (Beta and Gamma Picolines and 2, 6 Lutidine)	Isoquinoline
2, 4 Lutidine	Quinaldines
Special Fractions of Higher Boiling Lutidines and Collidines	High Boiling Tar Bases, Q.S.R. Grade

Koppers Tar Bases are soluble in many organic solvents, including alcohols, ethers, esters, hyrocarbons and ketones. The lower-boiling bases are completely miscible with water in all proportions. The water-solubility of the bases decreases with increases in molecular weight.

Koppers also produces many other grades of tar bases that can be used in a wide range of applications. Write for data sheet TD-7; it lists specifications and uses. Samples will be furnished on request.

KOPPERS COMPANY, INC.

KOPPERS® Coal Chemicals

Tar Products Division

Dept. 11617-T, Pittsburgh 19, Pennsylvania

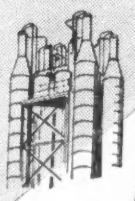
Republic
Crude
Naphthalene

REPUBLIC STEEL

ALSO
XYLOLS Industrial
BENZOLS
TOLUOLS Nitration-Industrial
SULPHATE OF AMMONIA

Specify Republic Steel Containers for your Packaged Items

REPUBLIC STEEL
CORPORATION
General Offices • Cleveland 1, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES
Shipping Points: Birmingham, Alabama • Canton, Ohio • Chicago, Illinois
Cleveland, Ohio • Gadsden, Alabama • Massillon, Ohio • Warren, Ohio
Youngstown, Ohio



A

PRIME SOURCE OF

IMPORTED—DUTY FREE

CRESYLIC ACIDS

Immediate and Continuous

Delivery from

Large Domestic Stocks

TANK CARS · DRUMS

TANK TRUCKS

MTD

THE MIDLAND TAR DISTILLERS, INC.

654 MADISON AVE., NEW YORK 21

A Subsidiary of The World's Largest Processor of Coal Tar Products—M.T.D. Ltd., Oldbury England

PHENOL

(U.S.P. Synthetic)

AND

ACETONE

now available in tank cars

and tank trucks

at Gibbstown, New Jersey

Naval Stores Department

HERCULES POWDER COMPANY

INCORPORATED

936 Market St., Wilmington 99, Del.

NP55-2

FDA Reaffirms

—Continued from page 3

last week. It was the compromise bill of the so-called Chicago food group, and supported by the chemical industry, which provides that adverse rulings of the secretary on a chemical additive may be appealed to the circuit courts under the declaratory judgment law.

The bill was introduced for the sponsoring group by Rep. Joseph O'Hara of Minnesota as H.R. 8271, and by Chairman J. Percy Priest of the house interstate commerce committee as H.R. 8275.

Another bill is due to be introduced, probably today. This is by Rep. A. L. Miller of Nebraska and differs from others in several material respects.

Like other measures, it requires evidence on the safety of additives to be submitted to the secretary, but unlike the others it places the burden on the government of proving the evidence is sufficient if the question is raised.

No regulation would be issued unless the additive presented a hazard, in which case the secretary could set forth the manner of its use and the amounts.

The right to deny the use of an additive would have to be based on a "reasonable probability of injury to health" rather than on the basis of generally recognized scientific opinion, which is claimed to be doubtful constitutionality.

The bill does not touch unintentional additives in foods but only those which are directly used in the processing of the food.

Questions relating to unintentional deleterious substances such as might result from use of certain packages or wrappers, would be handled under a modified section 406 (a) of existing law, which permits such substances in foods only if required in the production or cannot be avoided by good manufacturing practices.

ADMA to Finance

—Continued from page 5

relations committee, comprised of public relations representatives from various firms would serve in an advisory capacity.

The principal administrative officer, with offices in New York City, would be a full-time public relations director, yet unselected. However, it is anticipated that selection will be made at an early date and that the program would be under way in a matter of weeks.

"We have kept the other organizations advised of our plans," Mr. Smith said. "However, in order to move ahead immediately, and pending the invitation to other health and drug groups to participate in both the policy and financial aspects, the ADMA has underwritten the industry-wide public relations program."

"At long last, this much needed effort is under way. It will be our objective to present to the people the basic information about the research, developments and service wrought by those on the health team, in which the drug industry has played so major a role.

"The great achievements of the industry are unknown to the public generally and one of the objectives will be to inform the people of the nation of these accomplishments.

"Moreover, we will emphasize the extraordinary contributions to the lengthening of the life-span, comfort and service to mankind made by the medical profession, the dentists, the hospitals, the nurses, technicians and others in the field of health," Mr. Smith concluded.

The name is

ALAN WOOD

WHEN YOU REQUIRE

- Ammonium Sulphate
- Benzol
- Toluol
- Xylol
- Naphthalene
- Sodium Phenolate
- Tar Bases (Pyridine)
- Solvent Naphtha
- Crude Still Residue

OTHER PRODUCTS

Merchant Pig Iron

Magnetite Ore Concentrates

Foundry, Metallurgical and Industrial Coke

ALAN WOOD STEEL COMPANY

Coke and Chemicals Division

Conshohocken, Pa.

DRY COLORS — DYESTUFFS

IMPORT *EXPORT*

FEZANDIE & SPERRLE 205 Fulton Street NEW YORK 7

Telephones: COrtlandt 7-1460-1461 Cable Address: "Fezan," N. Y.

KOLON TRADING CO., INC.

BROKERS

PYRIDINE—2°

Cables: "KOLONOWAN" 15 PARK ROW, NEW YORK 38, N. Y. *Tel:* BEekman 3-8818-21

IRON FILINGS

(GROUND CHEMICAL IRON)

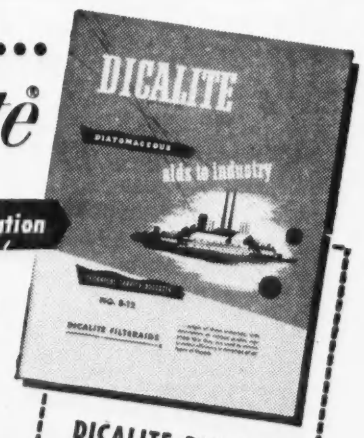
ELIZABETH 1, NEW JERSEY: 200 S. SECOND ST.

CONNELLY, INC. SINCE 1876

CHICAGO 8, 3154 S. CALIFORNIA AVE.

FILTER IT RIGHT... with *Dicalite*®

...and here's valuable data on filtration



DICALITE BULLETIN B-12 gives a wealth of authoritative data on effective methods of filtration, applicable to the processing of essential oils, penicillin and other antibiotics, and other pharmaceuticals. Write, today, for your free copy, to

DICALITE DIVISION

GREAT LAKES CARBON CORPORATION, Dept. POD, 612 SO. FLOWER STREET, LOS ANGELES 17, CALIF.

Textile, Leather Chemicals

Conditions remained steady in the textile and leather chemicals market, last week, with trading moderate, chiefly for prompt needs. While new business was spotty, withdrawals against former contracts continued at a good pace. Prices were generally steady for the entire list. Trend of egg derivatives continued upward, due to the high cost of eggs. Egg albumin flake and yolk were boosted sharply, which caused consumers to restrict purchases to actual requirements.

Demand for sizing materials was reported spotty. Potato starch was quiet and maintained at the recent price reduction. Corn starch and dextrin continued quite active for actual needs. Tapioca flour was unchanged and steady, reflecting the firmness of replacements from primary sources.

Trading in tanning materials was reported light, as tanners continued to operate in a hand to mouth manner. Myrobalans were stronger, as a result of heavy monsoon and floods which materially reduced production. Offerings were extremely scarce and prices were entirely nominal and subject to confirmation.

Despite the curtailment in shoe production resulting from strike shutdowns, November production was 3.1 percent larger than in November, 1954. Output of many types of shoes, however, was affected, and only men's "work" shoes, women's playshoes, and athletic shoes showed gains over a year ago. These gains, however, more than offest the curtailment in other types. For the eleven months' period production of all specified types of footwear continued to be heavier than in 1954. The average value per pair in November was $3.41, compared with $3.46 in November, 1954.

The rayon and acetate yarn and staple production in the United States in 1955 was the highest since 1950 it was reported by Textile Economics Bureau. In the first eleven months of this year, producers shipped 1,156,900,000 pounds, some 16 percent more than the corresponding period of 1954. Although December figures were not available, it was estimated that shipments for 1955 will approximate 1,260,000,000 pounds, against the record total of 1,268,500,000 pounds shipped in 1950.

Price Trends

Advanced

Egg albumin flake, 10c. per lb. Yolk, 6c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 14, 1955
105.45	105.42	105.37	94.08

For Current Prices see Page 9

Chemicals

Bichromates—Consumers continued to absorb good sized quantities against current contracts. Demand for spot delivery also was quite active. Prices were unchanged and steady.

Sodium Acetate—This market was steady and quotably unchanged. Good volume of material was reported moving for prompt delivery.

Sodium Hydrosulfite — Business was reported spotty, chiefly for prompt requirements. Quotations were maintained at former levels.

Sizing Materials

Albumin Blood — Business was spotty, chiefly to actual needs. Market was steady. Prices were maintained at 65c. to 80c. per pound, according to quantity.

Corn Dextrin—Steady consuming demand was noted for prompt delivery. Prices of all grades were firmly held at former levels. Gum was quoted at $9.15 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.89; dark, $8.99 and white, $8.73, same basis. Smaller quantities were 15c. per 100 pounds higher.

Corn Starch—Trading was reported fairly active for prompt delivery. Prices were well held at former levels. Pearl was quoted at $7.13 per 100 pounds, paper bags, carlots, New York, and powder, $7.25, same basis. Lesser quantities were 15c. per 100 pounds more. Visible corn supply declined 282,000 bushels to 49,036,000 bushels for the week ending January 6, against 49,982,000 bushels for the same time last year, according to the Chicago Board of Trade.

Egg Albumin—Market was stronger and advanced sharply. Trading was restricted to actual needs. Flake was quoted at $2.20 to $2.24 per pound and powder to $2.24 to $2.28 per pound, spot depending upon quantity. Technical was quiet, and unchanged at 83c. to 90c. per pound, as to quantity.

Egg Yolk — Higher production costs was reflected in yolk and prices were lifted to $1.17 to $1.19 per pound, spot, depending upon quantity.

Potato Starch—Business was reported restricted to prompt needs. Offerings were quite liberal for shipment from Maine at 5½c. per pound, carlots, f.o.b. mills. Shipments from Idaho also were unchanged at 6c. per pound, carlots, f.o.b. mills, less 60 points for delivery to eastern points. On spot, stocks were maintained at 8c. to 8¾c. per pound, exwarehouse, according to quantity.

Sago Flour—This market was quiet, but steady. Stocks were still in tight supply on spot. Raw flour was quoted at 7c. to 7½c. per pound, and refined, 8½c. to 9c. exwarehouse, as to seller and quantity. Primary market remained steady at 5¾c. per pound, carlots, exdock, prompt shipment.

Tapioca Flour—While trading was reported light, the market was quotably unchanged and steady. Brazilian flour was available at 6.1c. per pound, carlots, exdock, prompt shipment and medium grade Siamese at 5.8c., same basis. On spot Brazilian was unchanged 7¾c. to 8¼c. per pound, exwarehouse, as to quantity.

Tanning Materials

Cutch—Offers for shipment were maintained at 8½c. per pound, carlots, exdock, plus duty. Buying interest was more active.

Myrobalans — Heavy rains and floods have affected the production, with the result offers were extremely scarce and prices entirely nominal and subject to confirmation. No. 1 assorted was nominal at $58 per ton, exdock, prompt shipment; No. 1 crushed, $76 and Bombay, $54, same basis. Powdered extract 10c. to 10¼c. per pound, carlots, exdock, plus duty.

Quebracho Extract—Business was reported spotty, and confined to prompt delivery. Offerings were maintained at former levels. Solid ordinary guaranteed 63 percent tannin was held at 11 21/32c. and clarified 64 percent was 12 23/64c. per pound, exdock, plus duty.

Wattle—Buying interest was moderate, chiefly for fill-in requirements. All grades were quotably unchanged. Fair average bark was quoted at $98 per ton, carlots, exdock and merchantable, $94 per ton, same basis. East African extract was firm at 9⅞c. per pound and South African, 10c., carlots, exdock, plus duty.

METOL
Monomethylparaminophenol Sulfate
Registered Trade Mark
TANNIC ACID GALLIC ACID
(U.S.P. and Technical Grades)
PYROGALLIC ACID
(U.S.P. and Technical Grades)
ZINSSER & COMPANY, INC.
SUBSIDIARY OF
THE HARSHAW CHEMICAL CO.
HASTINGS-ON-HUDSON, NEW YORK
Cleveland • Chicago • Cincinnati • Detroit • Houston • Los Angeles • Philadelphia • Pittsburgh

MUTUAL BICHROMATES
Sodium Bichromate
Potassium Bichromate
MUTUAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
99 PARK AVENUE • NEW YORK 16, N. Y.

The PRODUCT DEVELOPMENT Department of
Foster D. Snell, Inc.

Is composed of various specializing sections serving a wide variety of Fields.

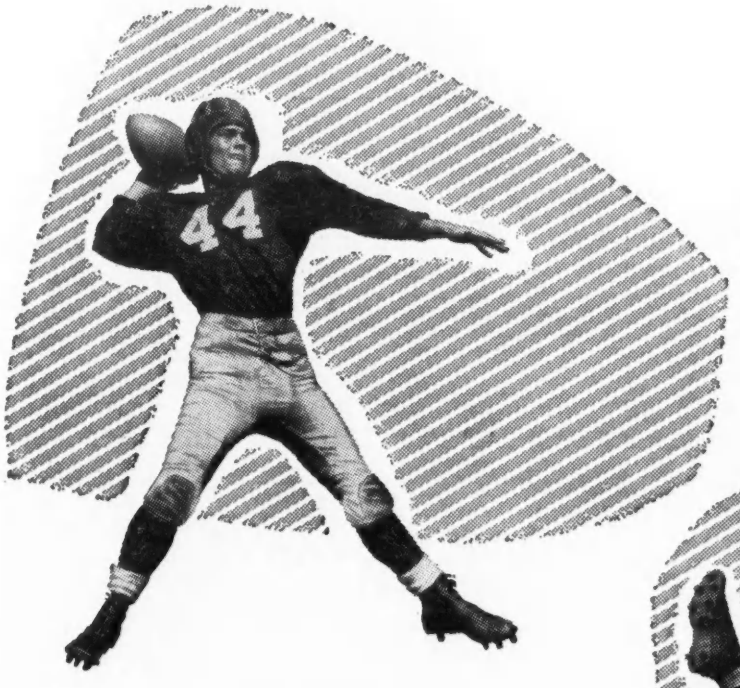
The different sections are prepared to handle projects ranging through basic research, development, formulation, testing, evaluation and quality control, and to accord Research Facilities Without Capital Investment based on years of experience.

The COATINGS SECTION can serve you in
Development and Testing of
Latex Paints
Paints of all other types
Varnishes
Lacquers
Raw Materials
Metal Cleaners and Preps
Wood Finishing Problems
Painters Sundries
Paint Removers

We Cordially Invite
you to confer without cost or obligation

Foster D. Snell, Inc.
RESEARCH LABORATORIES
29 West 15th St., New York 11, N. Y.
WAtkins 4-8800

Triple Threat !



The outstanding individual performances of BACITRACIN, NEOMYCIN and TYROTHRICIN are enhanced by their combined use as a team. These three antibiotics, manufactured by S. B. Penick & Company, offer a broad attack on bacterial organisms invading skin surfaces, oral and pharyngeal tissues, and against gastro-intestinal dysenteries.

BACITRACIN, U.S.P., Penitracin (Penick Brand Bacitracin) meets our exacting specifications for mesh, density and solution color. Penitracin is significantly non-allergenic. Penitracin is adaptable for parenteral use in dry powder vials; for topical use in tablets, troches, ointments, or suppositories.

NEOMYCIN SULPHATE, U.S.P., the newest of the streptomyces antibiotics, is outstanding for its versatility based on its bactericidal action against both gram-negative and gram-positive organisms. Neomycin of Penick manufacture is stable and adaptable for use in solutions, troches, ointments and tablets.

TYROTHRICIN, U.S.P., Penick Brand, is a highly purified, stable product. Tyrothricin was the first commercially available antibiotic. The Penick brand is adaptable to broad topical and oral usage.

These three antibiotics share hard-to-beat properties: non-toxic when employed topically, locally or orally, also virtually free from sensitivity and drug resistance.

The practical application of these antibiotics is now extending into cosmetic and allied fields in the form of deodorants, lotions, and dentifrices.

Basic Products for the Pharmaceutical Industry

* *Literature available on request!*

S. B. PENICK & COMPANY

50 Church Street, New York 8, N. Y. Telephone COrtlandt 7-1970

735 West Division Street, Chicago 10, Ill. Telephone MOhawk 4-5651

Drugs, Fine Chemicals

There were no price changes reported in the spot market last week. Business continued brisk for the most part and observers predicted a good first quarter. Supplywise, there appeared to be no difficulty in meeting consumers' inquiry for drugs. Since most drugs with a few exceptions depend upon the United States for raw material supplies, world tensions were not expected to have any adverse effect upon output. About the only major group in fine chemicals which could possibly further be disturbed by adverse world conditions were the tartrates, the source of which are argols imported from North Africa, France, Spain and Italy and lesser sources. Prices on argols have consistently advanced in recent years as Europe achieved a higher standard of living and became a major buyer. Competition between Europe and the United States resulted in higher argols prices and any worsening of the current situation in North Africa could have an inflationary influence on the market there, it was felt.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Jan. 14, 1955
66.41	66.41	66.41	67.17

For Current Prices see Page 9

Consumption of vitamins continues to increase according to trade sources and it appears that production rates will be maintained at a high level, at least through the first quarter. Current inquiry for vitamins was, of course, substantial in view of the seasonal factor as well as the fact that the supplementation of diet with vitamins has become markedly increased and as public consciousness becomes more attuned, will probably go higher. Margarine manufacturers continue to account for substantial amounts of synthetic vitamin A. This use was believed to be the major food outlet for this drug. Ascorbic acid (vitamin C) continues to move well although imports of lower priced material were of some annoyance, it was said.

The antibiotics group was reportedly moving at a brisk rate. Broad spectrum antibiotics have been growing in usage at a faster rate than penicillin and streptomycin, which, although largest in output, have lost out to the broad spectrum group in some applications. By far the most interesting applications for penicillin and streptomycin, however, was expected to be in the nonmedicinal fields which will be explored further this year.

Antibiotics — Demand for antibiotics, on the whole, continues at good levels. Although the use of penicillin is expected to grow more slowly in the field of human medicine as a result of the increasing popularity of broad spectrum antibiotics, its application in other fields should continue to expand at a good rate this year.

Preliminary production statistics for 1955 indicated that the combined output of antibiotics for human and veterinary use should have exceeded 2,000,000 pounds last year, an increase of some 200,000 pounds over the total for 1954. An additional 600-700,000 pounds was estimated to have been consumed as animal feed supplements.

The dollar value of antibiotics produced last year was estimated by one trade source to approximate $260,000,000. This represents a $29,000,000 increase in sales over those in 1954. While production of penicillin in 1943 amounted to approximately 32 pounds, output last year will probably top 725,000 pounds or 475,000,000,000,000 units, it was noted. While penicillin usage has been increasing at a slower rate than in earlier years, production this year was expected to approach 490,000,000,000,000 units.

The growth of the antibiotics industry has been at a $20,000,000 increment annually. The number of nonmedical outlets for antibiotics was expected to continue to grow in 1956. Included in this group showing considerable potential were plant and poultry growth stimulation, food preservation and control of plant diseases. This was in addition to animal feed supplements, the growth of which should continue to expand.

Calamine—Demand for USP calamine was routine with supplies ample to cover trade requirements and prices unchanged since last reported.

Cream of Tartar — Demand for cream of tartar continues at a brisk rate, according to trade sources. The food manufacturing industry accounts for a substantial portion of overall consumption and the prospects for the immediate future were bright, consumptivewise. Prices were unchanged and expected to hold steady in view of the high costs of raw materials.

Gelatin—The spot market continues unchanged in gelatin. Demand was reported to be good while supplies were ample to meet consumers' needs.

Production of gelatin during November amounted to 4,177,632 pounds compared to 4,321,579 pounds turned out in October. Production in November of the preceding year was 4,550,041 pounds, it was noted.

Classified by raw materials, production from ossein amounted to 391,568 pounds in November compared to 380,647 pounds in October and 789,789,836 pounds in November, 1954. Gelatin produced from hides aggregated 3,786,064 pounds in November compared to 3,940,932 pounds in October and 3,760,205 pounds in November, 1954.

Potassium Iodide — Inquiry was said to be steady. Demand for stock feed manufacturers was reported to have seasonally increased while pharmaceutical manufacturers maintain a sustained call for this salt. Supplies were adequate to cover trade requirements and prices were unchanged.

Riboflavin—Inquiry was reported to be moving at a satisfactory rate. The heavy consumption of vitamin products was reflected in the substantial amount of this vitamin used by the pharmaceutical industry. Supplies were adequate to cover trade requirements while prices were steady.

Rochelle Salts—Demand for Rochelle salts continues at a steady level. High raw material were effective in maintaining firm price stability while supplywise, there were no difficulties reported in accommodating consumer's needs.

Saccharin—Demand for saccharin continues at a sustained pace. The emphasis placed upon non-caloric sweeteners as a result of the large number of people who have taken to dieting has been behind the steady rise in overall use of such compounds, of which saccharin is the oldest in this field.

Supplies remain ample to cover trade requirements and should continue adequate in the immediate future. Prices were unchanged.

Salol—Demand for salol (phenyl salicylate) was steady. Supplies were adequate to meet consumer's requirements while prices were unchange.

Silver Salts—The market continued quiet last week. Inquiry con-

ALKALIES

CAUSTIC SODA
CAUSTIC POTASH
SODA ASH
SODIUM BICARBONATE
CALCIUM CHLORIDE
SODIUM SESQUICARBONATE
SODIUM CARBONATE MONOHYDRATED
SPECIAL ALKALIES

● Stocked throughout the country

McKESSON & ROBBINS
INCORPORATED
CHEMICAL DEPARTMENT
Nationwide distributors of heavy and fine chemicals
Boston • Burlington • Cedar Rapids • Chicago • Cleveland • Dallas • Davenport • Decatur
Des Moines • Detroit • Houston • Los Angeles • Milwaukee • Mobile • New York • Omaha
Peoria • Philadelphia • Phoenix • St. Paul • St. Louis • San Antonio • San Diego • Wichita

Importers Meer Corp. processors

Botanical Drugs — Drug Extracts
Water Soluble Gums — Spices
Chemically and Biologically Assayed

New Arrivals

IRISH MOSS and KELP
Whole — Ground — Powdered

Meer Corporation
318 West 46th Street
New York 36, New York
plant: North Bergen, N. J.
telephones: JUdson 6-0900 (NY)
UNion 6-3900 (NJ)

GUMS
ARABIC
GHATTI
GUAR
KARAYA (INDIAN)
LOCUST (CAROB FLOUR)
TRAGACANTH

MENTHOL (NATURAL CRYSTALS)
JAPAN WAX
QUINCE SEED
CASEIN
EGG ALBUMEN
BLOOD ALBUMEN

PAUL A.
DUNKEL
AND COMPANY, INC.
IMPORTERS AND EXPORTERS • EST. 1914
26 JOURNAL SQ., JERSEY CITY 6, N. J.
TEL: JOurnal Sq. 3-6400
NEW YORK TEL: WOrth 4-3341
CHICAGO: 325 NO. WELLS ST.
TEL: SU. 7-2462

REPRESENTATIVES:
CHICAGO: CLARENCE MORGAN, INC.
BOSTON: P. A. HOUGHTON, INC.
PHILADELPHIA: HARRY W. GAFFNEY
LOS ANGELES: C. H. OWINGS
ST. LOUIS: VICTOR ROBERSON CO.

PABA USP XIV
Sodium & Potassium PABA
PUROCAINE, INC. *Manufacturing Chemists* • Hockessin, Del.

Drugs

tinues at a routine level while supplies remained ample to meet trade needs. Prices were steady.

Tartaric Acid—Demand for tartaric acid continues at a brisk rate, on the whole and was expected to continue in the immediate future.

Manufacturers of food and beverages account for a substantial proportion of the tartaric used in addition to its use in industrial applications. The trend in beverage drinking appears to be steadily upward and consequently consumption in the industry was expected to be maintained at a relatively high rate in the months to come as manufacturers begin to anticipate their warm weather requirements.

Botanicals

Botanicals

The spot market continued steady last week. Demand for seasonal items remains good although consumer inventories were estimated to be generally well-stocked in all but a handful of scarce botanicals.

Reports from abroad indicate that the primary markets remain unchanged from the preceding week. The supply of most imported items was adequate on spot while the market was steady.

Aconite Root—Inquiry was reported to be routine while supplies were ample to cover trade requirements. Prices were steady.

Sarsaparilla Root—Consumer inquiry was reported to be fair. Supplies were ample for market needs and prices unchanged from the preceding week.

American-Marietta Subsidiary Buys Concrete Pipe Plants

Concrete Conduit Company, Colton, Calif., a subsidiary of American-Marietta Company, has purchased the plants and inventories of Tellyer Concrete Pipe Company. The Tellyer facilities are located in El Paso, Tex., Albuquerque and Farmington, N. Mex., and Healdsburg, Calif.

N. Y. AIChE Plans Dinner

The New York section of the American Institute of Chemical Engineers will hold a dinner meeting on January 17. A panel of chemical engineers will discuss "Packed Towers and Tower Packing."

The meeting will be at the Brass Rail, 521 Fifth avenue, New York, at 7:30 p.m. following cocktails at 5:30 and dinner at 6:30.

NOW OVER 5100 BIOS CHEMICALS

- o-CHLOROPHENYLHYDRAZINE
- m-CHLOROPHENYLHYDRAZINE
- 3-CHLOROPYRIDINE
- 4-CHLOROPYRIDINE
- 4-CHLORORESORCINOL
- 3-CHLOROSALICYLALDEHYDE
- 3-CHLOROSALICYLIC ACID
- CHLOROSALOL
- CHLOROSUCCINIC ACID, DL
- 8-CHLOROTHEOPHYLLINE
- 6-CHLOROTHYMOL
- CHOLESTANONE
- CHOLESTERYL LAURATE
- CHOLESTERYL PALMITATE
- CHOLINE BROMIDE
- CHROMIUM CHROMATE
- CHROMIUM HEXACARBONYL
- CHROMYL CHLORIDE
- CINEOL
- CIS-CINNAMIC ACID

Ask for our new complete catalogue.

BIOS *Laboratories, Inc.*
17 West 60th St. New York 23, N. Y.
Plaza 7-8171

PRENTISS DRUG & CHEMICAL CO. INC. NEW YORK, N.Y.

PRENTISS FULL LINE OF QUALITY TESTED PRODUCTS

Botanical Drugs
Cod Liver Oil U.S.P. (British)
Camphor, Synthetic U.S.P.
Chloroform, U.S.P. and Technical
Insecticides
Rodenticides

RAX POWDER — WARFARIN CONCENTRATE

Prentiss Drug & Chemical Company Inc.
110 WILLIAM STREET, NEW YORK 38, N. Y. • 9 SO. CLINTON STREET, CHICAGO 6, ILL.

mke & Co. Broadens Line

. L. Lemke & Co., Lodi, N. J., is now cing a dense grade of aminophylline. cribed by the company as a free flow- material, it is said to have little or no dency to cake. According to Lemke, the new product not only meets all USP specifications, but is also exceptionally free from impurities. Samples and prices are available on request to the company.

Obituaries

Russell W. Bowers

Russell W. Bowers, treasurer, manager of operations and a director of Sun Pipe Line Company, Philadelphia, a subsidiary of Sun Oil Company, died January 9 in Moylan, Pa. He was fifty-nine years old.

Dr. Gerald Haywood

Dr. Gerald Haywood, technical assistant to the manager of technological research and development for West Virginia Pulp & Paper Company, New York, died January 8 in Keyser, W. Va. He was fifty-nine years old.

Harold S. Kendall

Harold S. Kendall, assistant to the president of Dow Chemical Company, Midland, Mich., since 1941, died January 8 in that city. He was sixty-two years old.

A. George Stern

A George Stern, western regional sales manager for Heyden Chemical Corporation, New York, died December 28 in Honolulu. Mr. Stern had been western regional sales manager for Heyden since 1948.

Bids Wanted

Calamine lotion, 86,448 2-oz. bots., modified overseas pack, inv. 432, Jan. 17, Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y.

Calcium molybdate, 2,080 lbs., inv. 151-520-100 61, Jan. 23, Supply Dept., Bldg. 83, Navy Dept., Phila. Naval Shipyard, Phila. 12, Pa.

Hydrochloric acid, 30,000 lbs., tech. (muriatic), inv. 151-11679, Jan. 19, Supply Dept., Bldg. 83, Navy Dept., Phila. Naval Shipyard, Phila. 12, Pa.

Nitric acid, 40 carboys, inv. 5830, Jan. 23, Govern. Printing Office, Purchasing Agent, Washington 25, D. C.

2-Nitrodiphenylamine, 5,000 lbs., inv. 174-56, Feb. 6, Navy Dept., Supply Officer, Naval Powder Factory, Indian Head, Md.

Sodium hydroxide, 75 dms., flake or powd., inv. NY-1J-66529, Jan. 23, Gen. Services Adm., Region 2, Business Service Center, 250 Hudson Street, N. Y. 13, N. Y.

Sulfadiazine, 81,000 bots. of 1,000, tablets, USP, 0.5 gm., inv. 608-N, Jan. 17, Armed Services Med. Procurement Agency, 84 Sands St., Bklyn. 1, N. Y.

BERKSHIRE

BORON
CARBAMATES • MERCURIALS
ZIRCONIUM CHEMICALS
VANADIUM CHEMICALS
AGRICULTURAL MAGNESIA

ZIRCONIUM ACETATE SOLUTION
SODIUM ZIRCONYL SULPHATE
ZIRCONIUM CARBONATE
AMMONIUM ZIRCONYL CARBONATE
ZIRCONYL NITRATE
ZIRCONIUM SULFHATE SOLUTION
ZIRCONIUM OXYCHLORIDE REAGENT
ZIRCONIUM OXIDE
POTASSIUM ZIRCONIUM FLUORIDE

BERKSHIRE Chemicals inc
GRAYBAR BUILDING
420 LEXINGTON AVENUE • NEW YORK 17
LExington 2-5959 • "BERKSKEM" New York
55 New Montgomery St. • San Francisco 5, Cal.
Represented in Philadelphia, Boston, Cleveland and Chicago through the Innis, Speiden offices.

Greeff

CAFFEINE
SALICYLAMIDE
ACETOPHENETIDIN

R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

ALKALOIDS
ATROPINE & SALTS
BRUCINE & SALTS
EPHEDRINE & SALTS
ERGOTAMINE TARTRATE
HOMATROPINE & SALTS
HYOSCINE (SCOPOLAMINE) & SALTS
HYOSCYAMINE & SALTS
PILOCARPINE & SALTS
SANTONIN
STRYCHNINES

GANE & INGRAM INC.
ESTABLISHED 1922

AMINOPHYLLINE
BARBITURATES
DESOXYCHOLIC ACID
NIACIN
NIACINAMIDE
SULFANILAMIDE
SULFATHIAZOLE
THEOPHYLLINE

43 West 16th Street, New York 11, N.Y.
Phone: WAtkins 4-9404 • Cable: DRUGEXPORT

Fatty Acid Esters

MADE TO MEET YOUR SPECIFICATIONS
THE FLAME AND THE FLASK—SYMBOL OF QUALITY

Stearates
Laurates
Oleates
Ricinoleates
Wetting Agents
Thickeners
Plasticizers
Emulsifiers

WRITE FOR SAMPLES, DATA, ETC.

The C. P. Hall Co.
CHEMICAL MANUFACTURERS
5147 W. 67th Street, Chicago 38, Illinois
AKRON, OHIO • NEWARK, N. J. • CHICAGO, ILL. • LOS ANGELES, CAL.

PETROLATUMS

(Refined to strictly controlled quality specifications)

Quaker State Oil Refining Corp.

WAX DEPT. OIL CITY, PA.

FAIRMOUNT CHEMICAL CO., INC.
600 FERRY ST., NEWARK 5, N.J.

Aminoguanidine
Bicarbonate

HORMONES
DEHYDROCHOLIC ACID, N. F.
(Oral and Injectable Grades)
OX BILE USP
DRIED OX GALL POWDER
We invite your inquiries
GEDEON RICHTER
PHARMACEUTICAL PRODUCTS INC.
20 Exchange Place, New York 5, N.Y.

Get it First . . . . .
Get it All . . . . .
Get it Straight . . . . .
. . . . . in OPD

NEW FORMULA

VITAB
REG. U.S. PAT. OFF.

B-COMPLEX EXTRACT FROM
YEAST AND RICE BRAN

VITAB has served as the one complete source of natural water soluble B-complex Vitamins for some twenty years. Now greatly improved in both taste and stability by combining it with a high grade yeast, B-complex extract, VITAB remains the ideal base for liquid vitamin preparations.

CHARLES BOWMAN & CO.

220 E. 42nd Street, New York City

IMPORTS at United States Ports

New York

AGAR—40 dms, National City Bank, Barcelona
10 dms, T M Duche & Sons, Barcelona
100 bls, Consumers Import Co, Masan
ALUMINUM POWDER—3 dms, Kassel Export Co, Hamburg
8 dms, Aluminum Co of America, Rotterdam
AMMONIUM BICARBONATE—100 dms, Chemical Manufacturers Co, Liverpool
CARBONATE—100 dms, Liverpool
54 dms, Glasgow
NITRATE—10 bgs, N Y Hanseatic Corp, Bremen
PERSULFATE—50 dms, Lo Curto & Funk, Liverpool
114 cks, Riches Nelson, Rotterdam
AMYRIS OIL—2 dms, Norda Essential Oil & Chemical Co, Port Au Prince
1 dm, Olfactors Inc, Port Au Prince
1 dm, Taconic Natural Oils, Port Au Prince
ANILINE DYES—2 dms, Heemsoth Kerner, Liverpool
17 dms, Hensel Bruckmann & Lorbacher, Rotterdam
6 cans, Hensel Bruckmann & Lorbacher, Rotterdam
1 dm, C A Haynes, Rotterdam
2 cans, Hensel Bruckmann & Lorbacher, Rotterdam
25 dms, Carbic Color & Chemical Co, Rotterdam
55 dms, Antwerp
81 dms, Rotterdam
ANISE SEED—355 bgs, Alicante
ANNATTO SEED—65 bgs, Chase Manhattan Bank, Callao
ANTIMONY—40 cks, Watson Geach, Liverpool
ARABIC GUM—250 bgs, National City Bank, Port Sudan
ARNICA FLOWERS—14 bgs, Vera Cruz
ARSENIC, WHITE—46 bbls, American Smelting & Refining Co, Tampico
ASBESTOS FIBER—2,002 bgs, Johns Manville Corp, Capetown
ASCORBIC ACID—6 dms, Mitsubishi Corp, Yokohama
4 dms, Tuteur Bio Chemicals, Kobe
8 dms, Foster T Smith, Yokohama
AZOIC DYES—9 dms, Baker Irons & Dockstader, Rotterdam
BARBASCO ROOT—135 bls, Gillespie & Co, Callao
BARBITAL POWDER—8 dms, Sembodja Corp, Bremen
BARYTES—1,000 bgs, Landers Segal Color Co, Bremen
BEESWAX—30 bgs, Schutte & Focke, Ciudad Trujillo
25 bgs, Lenape Trading Co, Ciudad Trujillo
72 bgs, Marcel Calvet, Ciudad Trujillo
30 bgs, H H Pike & Co, Tampico
128 blks, Chase Manhattan Bank, Lisbon
120 bgs, Santiago
141 bgs, Tampico
34 bgs, Havana
100 blks, Assab
13 pkgs, Massawa
27 pkgs, Assab
30 bgs, Ciudad Trujillo
BENZOIN GUM—6 cs, George Lueders & Co, Bangkok
BILE—3 dms, Vera Cruz
BLANC FIXE—1,600 bgs, C J Osborn Co, Rotterdam
BONE—85 ctns, Guaranty Trust Co, Kobe
100 ctns, Guaranty Trust Co, Yokohama
312 bgs, Ovimpex Inc, Montevideo
41 bgs, International Packers Ltd, Santos
FLOUR—80 dms, Gallard Schlesinger, Liverpool
MEAL—661 bgs, Genoa
BUTOXY ACROLEIN DIBUTYL ACETAL—1 bx, Nepera Chemical Co, London
CALCIUM CARBONATE — 360 bgs, J T Baker Chemical Co, London
CAMPHOR OIL—5 dms, W J Bush & Co, Keelung
10 dms, Lo Curto & Funk, Kobe
CANANGA OIL—3 cs, Holland Colombo Trading Co, Penang
CANDELILLA WAX—313 bgs, Cornelius Products Co, Tampico
313 bgs, Tampico
CARAWAY OIL—4 dms, Rotterdam
SEED—200 bgs, R J Spitz, Rotterdam
100 bgs, C M Van Sillevoldt, Rotterdam
325 bgs, Rotterdam
200 bls, Rotterdam
CARDAMOM—12 cs, Max van Pels, Mangalore
4 cs, H Schlicting, London
SEED—20 cs, Karl H Landes & E Balint, Mangalore
CARNAUBA WAX—625 bgs, F Henjes, Parnahiba
63 bgs, Frank B Ross, Parnahiba
250 bgs, Biddle Sawyer Corp, Parnahiba
313 bgs, Bemo Shipping Co, Parnahiba
250 bgs, Cornelius Wax Refinery, Parnahiba
250 bgs, Smith & Nichols, Parnahiba
50 bgs, Strohmeyer & Arpe, Parnahiba
564 bgs, Strahl & Pitsch, Parnahiba
125 bgs, Dura Commodities Corp, Parnahiba
63 bgs, Marine Midland Trust Co, Parnahiba
75 bgs, M Algueso & Co, Parnahiba
50 bgs, J W Hanson, Parnahiba
812 bgs, Frank B Ross, Fortaleza
56 bgs, Smith & Nichols, Fortaleza
145 bgs, Strohmeyer & Arpe, Fortaleza
390 bgs, J H Schroder, Fortaleza
101 bgs, M Argueso & Co, Fortaleza
160 bgs, Wax & Rosin Products, Fortaleza
331 bgs, S C Johnson & Co, Fortaleza
56 bgs, Chase Manhattan Bank, Fortaleza
556 bgs, F Henjes, Fortaleza
111 bgs, Biddle Sawyer Corp, Fortaleza
446 bgs, River Plate Corp, Fortaleza
156 bgs, Cornelius Wax Refinery, Fortaleza
1,000 bgs, Guaranty Trust Co, Areia Branca
112 bgs, Frank B Ross, Natal
112 bgs, J H Schroder, Natal
223 bgs, Balfour Guthrie, Natal
56 bgs, Cornelius Wax Refinery, Natal
63 bgs, Wm Diehl & Co, Rio de Janeiro
112 bgs, Wm Diehl & Co, Fortaleza
106 bgs, Herman Hollander, Salvador
CASEIN—1,500 bgs, Guaranty Trust Co, Buenos Aires
3,000 bgs, East Asiatic Co, Buenos Aires
3,500 bgs, Borden Co, Buenos Aires
500 bgs, National Casein Sales, Montevideo
500 bgs, Tupman Thurlow, Buenos Aires
1,000 bgs, P A Dunkel, Buenos Aires
1,000 bgs, J R Spellacy, Melbourne
CASHEWNUT SHELL LIQIUD—250 dms, Jacques Missir, Mangalore
506 dms, Manufacturers Trust Co, Cochin
230 tons, Fidelity Union Trust Co, Cochin
CASSIA—1,037 pkgs, Borneo Sumatra Trading Co, Rotterdam
85 bls, H J Spitz, Rotterdam
1,751 pkgs, Rotterdam
CASTOR BEANS—710 bgs, Spencer Kellog Guayaquil
1,350 bgs, Spencer Kellogg, Manta
5,090 bgs, Spencer Kellogg, Salvador
186 bgs, Spencer Kellogg, Port Au Prince
344 bgs, Spencer Kellogg, Gonaives
6,668 bgs, D Levin, Salvador
1,300 bgs, Baker Castor Oil Co, Bahia
9,468 bgs, Baker Castor Oil Co, Salvador
OIL—150 tons, Woodward & Dickerson, Salvad
CEDRAT OIL—12 hf cs, Cheramy Inc, Palermo
CELERY SEED—85 bgs, Louis Furth, Bombay
85 bgs, Fritzsche Bros, Bombay
85 bgs, Levy & Levis Co, Bombay
170 bgs, M J Golombeck, Bombay
170 bgs, Becker Mayer Seed Co, Bombay
CETYL ALCOHOL—112 bgs, Orbis Products Cor Liverpool
CHESTNUT EXTRACT—1,500 bgs, Tanimex Cor Rotterdam
2,091 bgs, Barkey Importing Co, Genoa
CHLORINATED RUBBER—500 bgs, C M C Chem cals Inc, Liverpool
CINNAMONBARK OIL—5 cs, Polak & Schwar Colombo
3 cs, Volkart Bros, Colombo
CINNAMON QUILLS—50 bls, Fritzsche Bro Colombo
65 bls, Max Van Pels, Colombo
26 bls, C Czarinkow, Colombo
CITRONELLA OIL—55 dms, Lo Curto & Fun Keelung
30 dms, Pacific Vegetable Oil Corp, Keelun
25 dms, Internatio Rotterdam, Keelung
25 dms, Shulton Inc, Keelung
10 dms, I R Boody & Co, Keelung
25 dms, United Global Corp, Keelung
10 dms, Elimex Corp, Keelung
6 dms, Rotterdam
CLOVE—230 bgs, Shippers Produce Corp, Tam Tamatave
160 bgs, Hismoco American Co, Tamatave
COA[illegible] dms, Rotterdam
4 dms, Hensel Bruckmann & Lorbache Bremen
5 dms, Hensel Bruckmann & Lorbacher, Ro terdam
25 dms, Chase Manhattan Bank, Antwerp
24 cks, Rotterdam
14 dms, Rotterdam
COCA LEAVES—255 bls, Chase Manhattan Ban Mollendo
COCONUT OIL—313 tons, Cargill Inc, Manala
1,000 tons, E F Drew & Co, Cebu
290 tons, Pacific Vegetable Oil Corp, Mani
683 tons, Manila
CODLIVER—221 dms, Silmo Chemical Corp, S Johns
OIL—161 dms, Chemo Puro Manufacturi Corp, Hamburg
COD OIL—100 dms, E F Drew & Co, St Johns
100 dms, Ottol Oil Co, St Johns
100 dms, Reilly Whitteman Walton Co, S Johns
COPAIBA BALSAM—12 dms, Hemisphere Inte national Corp, Manaus
COPAL GUM—40 bgs, S Winterbourne & C London
45 bgs, S Winterbourne & Co, Matadi
60 bkts, Wm H Schell, Macassar
124 bgs, Internatio Rotterdam, Manila
CORN STARCH—224 bgs, Rotterdam
COTTON LINTERS—86 bls, Riverside Mills, Cab delo
485 bls, Antwerp
CREAM OF TARTAR—100 bbls, Bank of N Y, Ba celona
200 bgs, Bank of N Y, Barcelona
CRESYLIC ACID—303 dms, H A Gogarty, Live pool
29 tons, H A Gogarty, London
152 dms, James E Fox, Manchester
75 dms, Koppers Co, Glasgow
CUMIN SEED—62 bgs, Alicante
DAMMAR GUM—50 cs, S Winterbourne & C Bangkok
70 bgs, O G Innes Corp, Singapore
DEXTRIN—1,100 bgs, Guaranty Trust Co, Rotte dam
370 bgs, Stein Hall & Co, Rotterdam
300 bgs, Rotterdam
DOGWOOD BARK—70 bls, L E Pinkham C Kingston
ESPARTO WAX—64 bgs, Glasgow
ETHYL OLEATE—1 dm, Aceto Chemical Co, Lon don
EUCALYPTUS LEAF—60 bls, Lisbon
FENNEL SEED—86 bgs, Wm E Martin, Bombay
175 bgs, Levy & Levis Co, Bombay
FERRIC PEPTONATE—1 dm, Hudson Shipping C Liverpool
SULFATE—40 dms, Hudson Shipping Co, Live pool
FISHLIVER OIL—2 dms, Interocean Chemical Mi erals Corp, Yokohama
3 dms, Arista Oil Products Co, Yokohama
5 dms, J D Smith Interocean, Yokohama
15 dms, Bank of Tokyo, Yokohama
FISHMEAL—3,000 bgs, Marine & Animal By Prod ucts Corp, Iquique
2,000 bgs, Marine & Animal By Products Corp Arica
FUEL OIL——207,436 bbls, Paragon Oil Co, Punt Cardon
337,677 bbls, Paragon Oil Co, Tampico
512,982 bbls, Metropolitan Petroleum Corp Curacao
374,280 bbls, Esso Standard Oil Co, Aruba
84,300 bbls, Esso Standard Oil Co, San Nicola
111,248 bbls, Esso Standard Oil Co, Las Piedra
76,674 bbls, Asiatic Petroleum Corp, Curaca
119,000 bbls, Esso Export Corp, Aruba
137,399 bbls, Metropolitan Petroleum Corp Puetro La Cruz
GALLIC ACID—1 dm, Antwerp
GARNETLAC—50 bgs, Bradshaw Praeger & C Calcutta
GELATIN—222 bgs, Hensel Bruckmann & Lo bacher, Rotterdam
15 dms, Hensel Bruckmann & Lorbacher, Ro terdam
83 dms, D H Burdett, London
GERANIUM OIL—14 dms, Djibouti
GHATTI GUM—57 bgs, Colony Import & Expo Corp, Bombay
57 bgs, F L Kraemer, Bombay
GINGER—87 bgs, Becker Mayer Seed Co, Londo
38 bgs, Bank of America, Alleppey
160 bgs, Alleppey
GLUCOSE—1 dm, Rotterdam
GLUE—50 bgs, Jung Forwarding Co, London
400 bgs, M Corbett & Co, Marseille
BONE—441 bgs, Transatlantic Animal By Prod ucts Corp, Antwerp
DRY—81 cs, Henneux Co, Rotterdam

GLUTAMIC ACID—10 dms, Red Star Chemical Co, Hamburg
GLYCERINE—75 dms, Phila National Bank, Kingston
151 dms, Colgate Palmolive Co, Kingston
145 tons, L Pasternak & Co, Rosario
40 dms, Fallek Products Co, Yokohama
GRAPHITE—1,535 bgs, Asbury Graphite Mills, Colombo
750 bgs, Joseph Dixon Crucible Co, Colombo
500 bgs, Asbury Graphite Mills, Hong Kong
GYPSUM—400 bgs, C B Chrystal Co, Liverpool
252 bgs, Whittaker Clark & Daniels, Liverpool
5,188 tons, U S Gypsum Co, Deep Brook
14,308 tons, U S Gypsum Co, Hantsport
HORNMEAL—1,238 bgs, Wessel Duval & Co, Santos
IPECAC ROOT—3 bls, Manaus
IRON BLUE—14 dms, Van Oppen & Co, Liverpool
SODIUM PYROPHOSPHATE—4 kgs, Gallard Schlesinger, London
KARAYA GUM—96 bgs, Tragacanth Importing Corp, Bombay
11 bgs, S B Penick & Co, Bombay
145 bgs, Stein Hall & Co, Bombay
959 bgs, Colony Import & Export Corp, Bombay
499 bgs, Morningstar Nicol, Bombay
307 bgs, Jacques Wolf & Co, Bombay
24 bgs, Orbis Products Corp, Bombay
KOLA NUTS—229 bgs, D Steengrafe & Co, Kingston
LABDANUM GUM—11 cs, Alicante
LACTOSE—225 dms, Chas L Huisking & Co, Liverpool
LAUREL LEAVES—191 bls, Karl H Landes & E Balint, Izmir
152 bls, Near East Co, Izmir
LEMON OIL—40 hf cs, Ungerer & Co, Palermo
PEEL—24 bgs, Alicante
LEMONGRASS OIL—21 dms, Norda Essential Oil & Chemical Co, Port Au Prince
6 dms, National City Bank, Cochin
6 dms, Irving Trust Co, Cochin
53 dms, Chase Manhattan Bank, Cochin
11 dms, French American Banking Corp, Cochin
17 dms, Lo Curto & Funk, Cochin
LICORICE ROOT—138 bls, Prentiss Drug & Chemical Co Piraeus
15 bgs, Prentiss Drug & Chemical Co, Piraeus
LITHARGE—350 dms, Eagle Picher Co, Tampico
20 bgs, Vera Cruz
LIVERMEAL—929 bgs, Ovimpex Inc, Buenos Aires
LOCUST BEAN GUM—2,300 bgs, Morningstar Nicol, Pireaus
1,715 bgs, J L Quesada, Valencia
200 bgs, T M Duche & Sons, Genoa
10 dms, Rotterdam
954 bgs, Stein Hall & Co, Genoa
45 bgs, Stein Hall & Co, Barcelona
400 bgs, Morningstar Nicol, Genoa
200 bgs, Rotterdam
LOGWOOD EXTRACT—75 cks, American Dyewood Co, Kingston
MACE—28 cs, Kellys America Ltd, London
28 cs, Karl H Landes & E Balint, Grenada
28 cs, Otto Gerdau, Grenada
21 cs, Kellys America Ltd, Rotterdam
15 cs, A G Dunn, Macassar
40 cs, A G Dunn, Hamburg
78 cs, Rotterdam
MAGNESITE—3,205 bgs, Golwynne Chemical Corp, Cochin
MARJORAM LEAVES—86 bgs, Becker Mayer Seed Co, Marseille
100 bgs, H Marmorek & Son, Marseille
217 bgs, Wm E Martin, Vera Cruz
107 bls, Louis Furth, Marseille
MENTHOL—25 cs, Magnus Mabee & Reynard, Santos
30 cs, Prentiss Drug & Chemical Co, Kobe
25 dms, Marseille
MERCURY—150 flks, Lo Curto & Funk, Tampico
31 flks, L H Keller & Co, Tampico
1,000 flks, Cadiz
75 flks, Vera Cruz
MOLASSES—550 tons, W R Grace & Co, Salaverry
MUSTARD SEED—1,400 bgs, Rotterdam
MYROBALANS—1,920 bgs, Barkey Importing Co, Bombay
NAPHTHALENE—1,517 bgs, Rotterdam
NICKEL SULFATE—20 bgs, Republic Chemical Corp, London
129 bgs, H F Pollock & Co, Antwerp
NUTMEG—42 bgs, Kellys America Ltd, Singapore
63 bgs, Borneo Sumatra Trading Co, Macassar
28 bls, Borneo Sumatra Trading Co, Rotterdam
50 bgs, Kellys America Ltd, Grenada
25 bgs, Hismoco American Co, Grenada
200 bgs, Otto Gerdau, Grenada
250 bgs, J H Schroder, Rotterdam
14 bgs, R J Spitz, Singapore
70 bgs, C Czarinkow, Singapore
169 bgs, Kellys America Ltd, London
615 bgs, Karl H Landes & E Balint, Grenada
200 bgs, George Lueders & Co, Grenada
100 bgs, Catz American Co, Grenada
100 bgs, Shippers Produce Corp, Grenada
28 bgs, Becker Mayer Seed Co, Rotterdam
65 bgs, A G Dunn, Rotterdam
60 bgs, George Lueders & Co, Colombo
120 bgs, Rotterdam
OCHER—224 bgs, C J Osborn Co, Capetown
64 cks, C J Osborn Co, Capetown
OCOTEA CYMBARUM OIL—31 dms, Norda Essential Oil & Chemical Co, Rio de Janeiro
9 dms, Bank of London & S A, Itajai
61 dms, Lo Curto & Funk, Itajai
OITICICA OIL—280 tons, Brazilian Industrial Oils, Fortaleza

OLIBANUM GUM—107 bgs, National City Bank, Massawa
67 bgs, Massawa
OLIVE OIL—130 dms, S A Stone, Cadiz
104 dms, Uddo & Taormina, Cadiz
519 dms, Olive Growers Inc, Cadiz
80 dms, Mercantile Trust Co, Seville
383 dms, Chemical Bank, Seville
191 dms, Marine Midland Trust Co, Seville
48 dms, First National Chicago, Seville
275 dms, Credit Suisse, Valencia
100 dms, National City Bank, Valencia
244 dms, Credit Suisse, Seville
150 dms, Guaranty Trust Co, Seville
100 dms, Old Monk Olive Oil Co, Marseille
48 dms, National City Bank, Seville
293 dms, Chase Manhattan Bank, Seville
59 dms, Manufacturers Trust Co, Seville
24 dms, Seville
ORANGE OIL—10 cs, Fritzsche Bros, Kingston
25 cs, George Lueders & Co, Kingston
40 cs, Ungerer & Co, Kingston
10 cs, Van Ameringen Haebler, Kingston
6 dms, Citrus & Allied Essential Oils Co, Puerto Plata
PEEL—86 bgs, Alicante
175 bgs, Cap Haitien
OREGANO—217 bgs, Karl H Landes & E Balint, Vera Cruz
OURICURY WAX—34 bgs, M Schmidt, Salvador
56 bgs, G S Ziegler & Co, Salvador
PALM OIL—195 tons, Lever Bros, Matadi
PALMAROSA OIL—2 dms, Dodge & Olcott, Bombay
1 dm, Volkart Bros, Bombay
PALMITIC ACID—1 dm, Paragon Organic Chemical Co, London
PALMKERNEL OIL—200 tons, J Gerber, Matadi
289 tons, Balfour Guthrie, Matadi
PAPAIN—100 cs, Bemo Shipping Co, Colombo
150 cs, Empire Trust Co, Colombo
102 hlf chts, Chas L Huisking & Co, Colombo
56 hf chts, National City Bank, Colombo
22 crts, Chas L Huisking & Co, Tanga
PAPRIKA—250 bgs, H F Downing, Alicante
125 bgs, Gallagher & Ascher, Alicante
175 bgs, W L Willner, Seville
250 bgs, A A Savia, Alicante
30 bgs, H Schlicting, Alicante
100 bgs, Ludwig Mueller, Alicante
1,697 bgs, Alicante
p-CHLOROMETALXYLENOL—1 dm, Midland Tar Distillers, London
PATCHOULI OIL—5 dms, Van Ameringen Haebler, Penang
PEATMOSS—700 bls, Halfmoon Mfg & Trading Co, Rotterdam
1,400 bls, Marine Midland Trust Co, Bremen
850 bls, Premier Peatmoss Corp, Bremen
1,000 bls, E J Lang, Bremen
PEPPER, BLACK—420 bgs, E H Simpson & Co, Singapore
80 bgs, Bank of London & S A, Cochin
80 bgs, Joensson & Cross, Mangalore
140 bgs, A C Israel, Singapore
665 bgs, Ludwig Mueller, Singapore
140 bgs, A G Dunn, Singapore
140 bgs, Volkart Bros, Singapore
160 bgs, Irving Trust Co, Cochin
120 bgs, A G Dunn, Cochin
80 bgs, Shippers Produce Corp, Cochin
866 bgs, Borneo Sumatra Trading Co, Singapore
40 bgs, Volkart Bros, Cochin
160 bgs, V A Cordovi, Colombo
240 bgs, Internatio Rotterdam, Singapore
240 bgs, Far Eastern Rubber Importers, Singapore
67 bgs, Manufacturers Trust Co, Singapore
70 bgs, Shippers Produce Corp, Singapore
80 bgs, Otto Gerdau, Colombo
80 bgs, Irving Trust Co, Cochin
160 bgs, A C Israel, Cochin
2,288 bgs, Alleppey
80 bgs, A G Dunn, Alleppey
80 bgs, Nederlandsche Handel, Alleppey
72 bgs, Joensson & Cross, Singapore
80 bgs, Cochin
RED—400 bgs, Otto Gerdau, Kobe
100 bgs, Joensson & Cross, Kobe
269 bgs, Ludwig Mueller, Mombasa
160 bgs, Bankers Trust Co, Kingston
WHITE—70 bgs, A C Israel, Singapore
560 bgs, E H Simpson & Co, Singapore
70 bgs, Borneo Sumatra Trading Co, Singapore
PETITGRAIN OIL—6 dms, John D Walsh Co, Buenos Aires
6 dms, Polak & Schwarz, Buenos Aires
PETROLEUM, CRUDE—197,000 bbls, Esso Standard Oil Co, Puerto La Cruz
101,568 bbls, Cities Service Oil Co, Tampico
192,552 bbls, Phillips Petroleum Co, Puerto La Cruz
274,382 bbls, Socony Mobil Oil Co, Puerto La Cruz
57,699 bbls, Esso Standard Oil Co, La Salina
41,819 bbls, Esso Standard Oil Co, Las Piedras
PIMENTOLEAF OIL—1 dm, Baltimore Spice Co, Kingston
4 dms, W J Bush & Co, Kingston
2 dms, George Lueders & Co, Kingston
3 dms, Magnus Mabee & Reynard, Kingston
POLLACKLIVER OIL—50 dms, Wilbur Ellis Co, Yokohama
120 dms, Arista Oil Products Co, Yokohama
50 dms, Interocean Chemical & Minerals Corp, Yokohama
100 dms, J D Smith Interocean, Yokohama
POLYVINYL ACETATE EMULSION—20 bbls, Lloyd Associates, Bremen
RESIN—1,567 bgs, Marubeni Iida Co, Kobe
32 cks, Colloids Inc, Hamburg
POLYVINYL CHLORIDE RESIN—2,495 bgs, H A Gogarty, Nagoya
POPPY SEED—186 bgs, Becker Mayer Seed Co, Hamburg
200 bgs, C M Van Sillevoldt, Rotterdam
325 bgs, Rotterdam
POTASH MURIATE—3,000 tons, Potash Import & Chemical Corp, Bremen
POTASSIUM FERROCYANIDE—400 bgs, Haras Co, Rotterdam
448 bgs, Antwerp
SILICATE—611 bgs, Sylvania Electric Products, Rotterdam
PSYLLIUM SEED HUSKS—300 bgs, T M Duche & Sons, Bombay
PYRETHRUM EXTRACT—20 dms, Mombasa
FLOWERS—126 bls, Mellon National Bank, Mombasa
125 bls, Gulf Oil Corp, Mombasa
QUEBRACHO EXTRACT—4,070 bgs, American Tanners Ltd, Buenos Aires
5,475 bgs,, River Plate Corp, Buenos Aires
1,508 bgs, Hammond & Carpenter, Buenos Aires
500 bgs, International Products Corp, Buenos Aires
R SALT—15 dms, Hudson Shipping Co, Genoa
RAUWOLFIA SERPENTINA ROOT—40 bgs, S B Penick & Co, Cochin
VOMITORIA ROOT—350 bgs, Chase Manhattan Bank, Antwerp
RED LEAD—200 bgs, Vera Cruz
RICE STARCH—230 bgs, Aurora Manufacturing Co, Trieste
RUTILE SAND—3,800 bgs, International Titanium Corp, Brisbane
2,000 bgs, Lo Curto & Funk, Brisbane
400 bgs, Ayrton Metal & Ore Corp, Brisbane
SALICYLIC ACID—80 dms, R J Saunders, Rotterdam
SANDALWOOD—100 bgs, George Lueders & Co, Bombay
OIL—10 cs, Lo Curto & Funk, Cochin
9 cs, Magnus Mabee & Reynard, Cochin
7 cs, Volkart Bros, Bombay
SARSAPARILLA ROOT—10 bls, S B Penick & Co, Puna

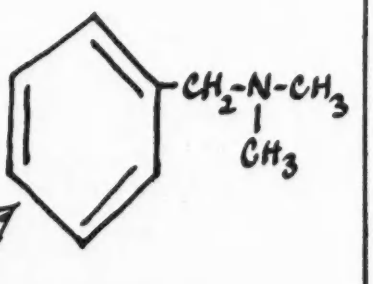
—Continued on page 62

TIC
Foremost in Water Soluble Gums
Pre-tested for
*EMULSIFYING
*THICKENING
*SUSPENDING
*STABILIZING
Write for working Samples of...
TRAGACANTH
ARABIC
KARAYA
IRISH MOSS
GUAR
TIC
Tragacanth
IMPORTING CORP.
Since 1909 your guarantee... Quality—Service
141 EAST 44th ST., N. Y. 17, N. Y.
OXford 7-3216

FOUNDED T&B 1856
Our 100th Anniversary
GUMS
Arabic Karaya Tragacanth
Textile Print Gum (Tab-A-Tex)
Locust Bean Guar
Phone Algonquin 5-1588
THURSTON & BRAIDICH
286 Spring St., New York 13, N.Y. • Agents in Principal Cities in U.S.A.
Warehouses: P. N. SODEN & CO. LTD.—2143 St. Patrick Street, Montreal, Canada
A. C. DRURY & CO. INC.—219 East North Water Street, Chicago, Illinois
MELVIN VINCENT ASSOC.—1807 East Olympic Blvd., Los Angeles, California
M. O. GROVE & CO.—310 Sacramento Street, San Francisco, California

PABA N. F. X
SALTS and DERIVATIVES
B. L. Lemke & Co. Inc. Manufacturing Chemist Lodi, N. J.

P&B
BERYLLIUM • LANTHANUM • CERIUM
THORIUM and ZIRCONIUM SALTS • AMMONIUM BIFLUORIDE
TITANIUM POTASSIUM OXALATE
ABSORPTION BASE • CHLOROPHYLL • LANOLINE, U.S.P. • SAPONINE
BIOLOGICAL STAINS • ph BUFFER SOLUTIONS
"FIXANAL" CONCENTRATED PREPARATIONS FOR NORMAL SOLUTIONS
MOLDOL (Preservative)
SINCE 1900
Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, NEW YORK

Dr. C. — maybe this would do it


N-BENZYLDIMETHYLAMINE offers unusual advantages as an intermediate in chemical synthesis and in reactions requiring an organic base. Its water insolubility and solubility in organic fluids point to its use as an ingredient in cutting oils, hydraulic fluids and specialty lubricants where its ability to block the corrosive action of oxidation-produced acids is of value.
N-BENZYLDIMETHYLAMINE
make Sumner your source
SUMNER CHEMICAL COMPANY, INC.
Zeeland, Michigan • General Sales Offices: 6 E. 45th St., New York 17, N.Y.
West Coast: B. L. Holmes, La Canada, Cal.

Key Men at MM&R

MILTON STERN

Ass't. Sales Manager, Contract Dept.

Each year thousands of contracts for future delivery of products under the Label, Seal and Guarantee of MM&R cross the desk of Milton Stern. Contract prices, advantageous to our customers, reflect the dependable advice of Milton and other MM&R specialists in essential oil market trends.

Milton Stern joined MM&R in 1924, with a background in brokerage and foreign trade. For almost a third of a century now, his up-to-the-minute knowledge of essential oil markets has been saving our customers money. His knowledge and experience are at your service. Please call on him.

MAGNUS, MABEE & REYNARD, INC.

The World's Most Famous Supplier of Essential Oils and Flavors.

16 DESBROSSES STREET, NEW YORK 13, N. Y.
221 NORTH LaSALLE STREET, CHICAGO 1, ILL.

Since 1895

PRODUCED AT OUR OWN FACTORY Est. 1885

Over 65 years young and still pioneering.

Oil Celery — Oil Nutmeg USP
Oil Clove USP — Oil Patchouli
Citral — Oil Sandalwood NF

GEORGE LUEDERS & CO., Incorporated

427-429 WASHINGTON STREET, NEW YORK 13, N Y

Chicago • San Francisco • Montreal • Factory: Brooklyn
St. Louis • Philadelphia • Los Angeles • Toronto
Shreveport, La • Vancouver, B. C.

Florasynth AEROSOL BOUQUETS & MASKING ODORS for INDUSTRIAL PURPOSES

LABORATORIES, INC.

900 VAN NEST AVE. NEW YORK 62, N. Y. — Chicago 6, Los Angeles 21 and other principal cities in the U. S., Canada and Mexico

ESSENTIAL OILS • PERFUME OILS • FLAVORS • AROMATIC CHEMICALS and ODOR MASKS

Proven Replacements For: BERGAMOT OIL, CITRONELLA OIL, ANISE OIL, CASSIA OIL

DOMESTIC EXPORT *YOUR INQUIRIES SOLICITED*

D. W. HUTCHINSON & CO., INC., 700 South Columbus Ave., Mount Vernon, N.Y.
Founded 1896 Telephone: MOunt Vernon 4-7272

ANNOUNCING A PURER, MORE ECONOMICAL EUGENOL

Extensive laboratory research and the employment of refined manufacturing techniques now enable us to offer users of Eugenol a vastly improved product—finer, cleaner, and more economical than any we have ever observed. This new product is entirely free of the undesirable side effects often observed in the ordinary commercial grades. Samples and prices of EUGENOL USP XIV EXTRA available upon request.

FRITZSCHE *Established* 1871 *Brothers, Inc.*

PORT AUTHORITY BUILDING, 76 NINTH AVENUE, NEW YORK 11, N. Y.

BRANCH OFFICES and *STOCKS: *Atlanta, Georgia, Boston, Massachusetts, *Chicago, Illinois, Cincinnati, Ohio, *Los Angeles, California, Philadelphia, Pennsylvania, San Francisco, California, St. Louis, Missouri, Montreal and *Toronto, Canada and *Mexico, D. F. FACTORY: Clifton, N. J.

Essential Oils, Aromatics

Trading slowed down again last week in all fields of this market, it was reported. Essential oils, particularly, after the movement of the first week of the year, was virtually inert. A major exception appeared to be lavender flower oil. As a result of unexpected price advances in the Grasse source market, it was reported, it has shown signs of firmness in the spot market. According to dealers, prices at the source in spite of agreements that had been made with producers, jumped 2000 francs a kilo in a one week period. Haitian vetiver appeared to be getting tighter, according to reports from the local market. The listing of $9.50 to $10 per pound reflects a current price shift in the outside quote.

Louis Gampert, in his annual report as outgoing president of the Essential Oils Association, noted that the export outlook is favorable, due to increasing prosperity abroad and further relinquishing of restrictions in foreign countries. Mr. Gampert termed 1955 a rather uneventful year, though he took note that a good volume of business was done during the year at relatively satisfactory prices. In his forecast for 1956 he said that the volume of essential oil sales will be good this year and that competition will be very stiff.

Price Trends

Advanced

Caraway seed, Dutch, ½c. per lb.
Cassia, Batavia "A", ¼c. per lb.
Cinnamon, Ceylon #2, 1c. per lb.
Coriander seed, Yugoslavian, ¼c. per lb.
Mustard seed, Montana oriental, 1½c. per lb.
Oil, Bay, 10c. per lb.
Eucalyptus, 70-80%, 2c. per lb.
Ginger, 85c. per lb.

Reduced

Cassia, Corinje "C", ½c. per lb.
Coriander seed, Moroccan, ¼c. per lb.
Ginger, Cochin, 2c. per lb.
Jamaica #2, 1c. per lb.
#3, 1c. per lb.
Nigerian split, 2c. per lb.
Pepper, Japanese hontakas, 1c. per lb.
Mombasa, 2c. per lb.
Nigerian, 1c. per lb.
Poppy, Dutch, 1c. per lb.
Polish, 1c. per lb.
Pimento, Mexican, 2c. per lb.
Sage, Cretan, 2c. per lb.
Dalmatian, ½c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Jan. 14, 1955
135.17	134.14	134.70	138.51

For Current Prices see Page 9

Essential Oils

Bay—Some firming was reflected in this market, it was noted, through a price advance in the 50-55 percent Puerto Rican quality oil. The new inside listing, $1.90 per pound, is 10c. more than the quotation of the previous week. West Indian quality oil of the same percentage is selling at $1.85-$2.40 per pound; Puerto Rican quality, 55-60 percent, is still listing at a range of $2.10-$2.50 per pound.

Bois de Rose—A continued soft tone was reflected in the spot market of this oil last week, dealers noted. The prime cause of the easiness is the continued presence of Peruvian quality bois de rose on the market, it was stated. Further cause for ease is the growing strength of the Peruvian new material. The Brazilian price, though obviously being shadowed, stood at $4 last week.

Eucalyptus—The 70-80 percent quality of this oil moved toward a firmer market last week, it was noted. A new listing, a 2c. per pound advance over that of the week previous, gives it a range of 72c.-$1.05. The 80-90 percent quality is still listing drums at 78c.-$1.10 per pound.

Lavandin—The market for this oil, erroniously reported as easing last week, is considered by most dealers as firm and has remained unchanged since the October harvests. The present inside listing is $2.45 per pound in drums. The outside price is $2.85.

Lavender—Spot position for this oil appears to be strengthening daily, it was reported last week. The firmness is a derivate, according to dealers, of the present source market situation. In spite of a general agreement made last year concerning limitations to be placed on crop prices by buyers and processers in Grase, the quotations have risen to prices ranging from $11 to $13 per pound. As a result, many dealers on the spot market are holding on to their stock.

Patchouli—A certain easiness remained in this market last week, which dealers attribute to the continued fear on the part of spot market buyers of the low quality oil that was present in such quantity last fall. Most dealers reported, however, that the major portion of the low quality patchouli is no longer on the market. The outgoing president of the Essential Oils Association, in his annual speech, noted that the Association should take steps to see that shippers and their brokers should take part of the financial responsibility when such a situation develops.

Sandalwood—The market for this oil appeared to be easing somewhat, it was reported last week. Though prices appear to reflect shading, the spot range last week continued to be quoted at $16.50-$20. per pound. Dealers do not anticipate any shift in this market, it was reported.

Aromatic Chemicals

Anethol—Demand for this aromatic chemical continues to exceed the available supply, it was noted last week. The condition prevailed throughout last year. Though there have been a number of rumors afloat in the industry, no verification has been offered of new producers or production plants.

Heliotropin—Though an easiness continued to be present in this market, the price drop that took place two weeks ago appears to be making its presence known and to be offering some signs of renewed interest. The price drop of 30c. per pound brought the listing down to a $3.75-$4.25 dange.

Safrol—This oil continued to follow the lead of the Brazilian safrol bearing oils in a steady decline, it was reported last week. Prices which only a few months back ranged to $1.60 per round and higher are now down to last week's range of $1.10-$1.30 per pound. Even this listing, dealers said, is subject to shading because of the continued uneasiness of the market.

Miscellaneous

Caraway Seed—Firming prices for Dutch caraway seed abroad is being reflected in the local market, it was reported last week. A new range, 17¼c.-17¾c. per pound is a ½c. advance over the previous listing.

Cloves—Shipping prices of Madagascars firmed last week carrying spot and afloat prices with them. Carryover stocks here are not large due to the small imports last year. Zanzibars have been uncompetitive for months and spot stocks are very small.

Ginger—This spice appeared to be easing virtually across the board, it was reported last week. Four out of five qualities listed showed price declines. The only ginger to stand firm is African which continues to sell for 37c. per pound. Cochin quality ginger declined 2c. per pound to a 34c. inside listing; Jamaica No. 2 fell 1c. to a 58c. per pound quote; Jamaica No. 3 quality also fell 1c. per pounds to a 57c. listing and Nigerian split declined 2c. per pound to a 33c. quotation.

Mustard Seed—Some English yellow mustard seed has been quoted for shipment at 12c. per pound, it was reported. Though Danish qual-

Essential Oils

ity seed declined ½c. last week, dealers noted that the market is relatively firm because of the scarcity of material on the local market. Montana oriental seed reflected this scarcity with a 1½c. per pound price advance.

Paprika—Dealers noted the presence in the market of a quantity of Hungarian quality paprika, which has not been seen in the local area for a number of years. The spice is being quoted at about 37c. per pound. The other qualities, Roumanian, Spanish and Yugoslavian continued at their previous listings of 28c., 35c. and 37c., respectively.

Pepper—Three qualities of this spice showed price declines last week, it was noted. Nigerian fell ½c. to a 28½-29c. per pound listing. Japanese hontakas fell 1c. per pound to a 32-33c. range and Mombas quality pepper dropped 2c. per pound to a 63c. listing.

Factors being felt in the market included the 16,000 tons of pepper shipped from India in December. Also enroute are smaller shipments of Lampong and Sarawak, though the latter do not appear to be in a position to establish values. Offerings were light and fully on a par with the spot market.

Newcrop hontakas are arriving and moving into consumption, it was reported. Santakas are available for early February arrival. Nigerian quality peppers are slightly lower and in better supply. Other qualities are not too well stocked, and it is doubtful that imports of Turkish, Mombassa and Ethiopian qualities will come to a very large figure.

Poppy Seed—The market for this seed eased up somewhat last week, dealers reported. Two qualities, Dutch and Polish, reflected this through price declines. Dutch quality seed dropped 1c. in price to a 25c. to 26c. per pound range; Polish quality poppy also fell 1c. per pound to a 24c. to 25c. range.

Vanilla Beans—Heavy imports of Mexican and Bourbon quality beans a number of months ago continue to leave their mark in the spot market, it was reported last week. Though the ease is not particularly heavy, it is being felt, dealers said.

Wesley M. Dixon, jr., has been appointed executive vice-president of G. D. Searle International Company, Chicago.

Carbide Works Department Relocates Three Managers

The works manager's department of Carbide and Carbon Chemicals Company, New York, a division of Union Carbide and Carbon Corporation, has appointed A. P. Moss industrial chemicals production manager, located in the New York offices of the company. Mr. Moss was superintendent of chemicals and resins at the company's South Charleston, W. Va., plant.

Max Hill has been appointed fine chemicals production manager and will be located in the New York offices of the company. Mr. Hill was assistant superintendent at the South Charleston plant. W. W. TenEyck has been appointed superintendent of chemicals and resins at South Charleston.

Antibiotic Marketing Rules Are Amended by FDA

Regulations of the Food and Drug Administration covering the marketing of antibiotic preparations were amended in several respects by the agency last week.

The amendments were technical in nature and had to do with tests and methods of assay for chlortetracycine products and the certification of products containing penicillin, streptomycin, chlortetracycline and chloramphenicol.

Natural Flower Products
Terpeneless Oils • Essential Oils
Perfume Compounds
Aromatic Chemicals
Flavoring Materials

Ungerer & Co.

CHICAGO BOSTON
PHILADELPHIA ST. LOUIS
LOS ANGELES ATLANTA

161 SIXTH AVENUE • NEW YORK 13, N.Y. Plant and Laboratories, TOTOWA, N. J.

Importé de France

BUTANE EXTRACTED NATURAL OILS
for Perfumery, Soaps and Cosmetics
Since 1850 P. Robertet & Cie, GRASSE, FRANCE
New York Office: P. ROBERTET, Inc., 125 E. 23 St., N. Y. 10, Tel: OR 3-7585

always a dependable source of supply!
FELTON Quality
• Essential Oils • Aromatic Chemicals
• Perfume Bases • Flavors & Flavor Materials
write for samples
FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave., Brooklyn 37, N. Y.
Atlanta, Boston, Brooklyn, Chicago, Cleveland, Los Angeles, Montreal, Philadelphia, St. Louis, Toronto, Versailles, France

ESSENTIAL OILS
ORBIS PRODUCTS CORPORATION
601 W. 26th STREET, NEW YORK

Z&T
VANILLA BEANS
ZINK & TRIEST CO.
15 LOMBARD STREET PHILADELPHIA 47, PA.

THE FINEST IN AROMATIC CHEMICALS AND PERFUME MATERIALS, DESIGNED FOR USE IN PERFUME, COSMETICS, SOAPS AND INDUSTRIAL PRODUCTS.
Van Ameringen-Haebler, inc.
521 West 57th Street New York 19, New York

Fine Chemicals
Trade BPC Mark

PHARMACEUTICAL CHEMICALS
Aminoacetic Acid
Aminophylline
Amobarbital
Benzocaine
Benzyl Alcohol
Chlorobutanol
8-Hydroxyquinoline
Oxyquinoline Benzoate
Oxyquinoline Sulphate
Potassium Oxyquinoline Sulphate
Pentobarbital Sodium
Phenobarbital
Phenobarbital Calcium
Phenobarbital Sodium
Alpha-Phenyl Butyramide
Alpha-Phenyl Butyric Acid
Secobarbital Sodium
Theophylline

AROMATIC and FLAVORING CHEMICALS
Benzyl Alcohol
Cinnamic Acid
Diacetyl
Ethyl Phenyl Acetate
Phenyl Acetic Acid

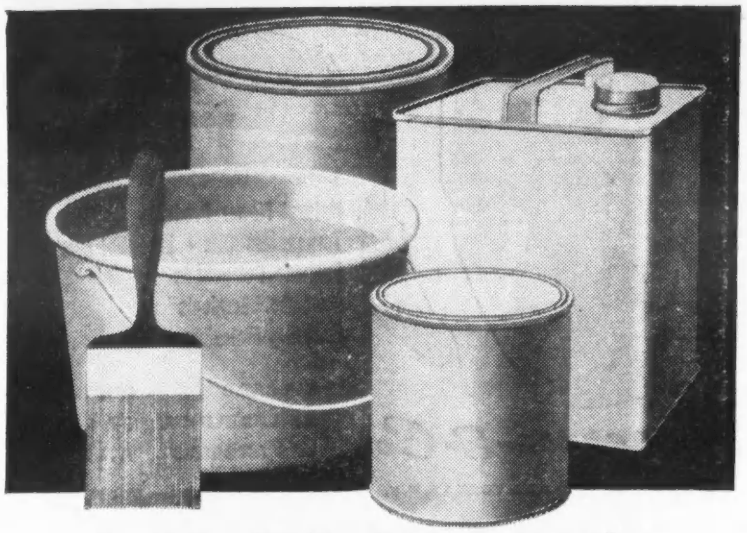
TECHNICAL CHEMICALS
Allyl Acetone
Benzaldehyde
Benzilic Acid
Benzoin
Benzyl Alcohol
Benzyl Chloride
Benzyl Cyanide
Cyanoacetamide
Chrysanthemum-Monocarboxylic Acid Ethyl Ester
Dibenzyl Ether
2,5-Dimethyl Hexadiene-1,5
2,5-Dimethyl Hexadiene-2,4
Diphenyl Acetic Acid
Ethyl-2-Acetyl-4-Pentenoate
Glycine Ethyl Ester Hydrochloride
Methallyl Chloride
Triglycollamic Acid

SPECIALTIES FOR PENICILLIN MANUFACTURERS
Methyl Phenyl Acetate
N,N'-Dibenzyl Ethylene Diamine Diacetate
Phenyl Acetic Acid
Beta Phenylethylamine
Potassium Phenyl Acetate Solution

MALONATES
Allyl-1-Methylbutyl Diethyl Malonate
n-Butyl Diethyl Malonate
Ethyl-1-Methylbutyl-Diethyl Malonate
Ethyl-1-Methylpropyl-Diethyl Malonate
Ethyl-Phenyl-Diethyl Malonate
1-Methylbutyl-Diethyl Malonate
1-Methylpropyl-Diethyl-Malonate
Phenyl Diethyl Malonate

MATERIALS PRODUCED ON ORDER
1-Acetyl-2-Thiohydantoin
Chloroacetamide
Cinnamoyl Chloride
Glycine Amide Hydrochloride
Methyl Chloroacetate

BENZOL PRODUCTS COMPANY
237 SOUTH STREET • NEWARK 5, N. J.



For Better Quality Paints Or Varnishes

It Will Pay You To Investigate Neville Resins

Neville manufactures a broad range of coumarone-indene and petroleum resins under such exacting quality control that absolute uniformity in your production is assured. They are inert, add resistance to acids, alkalis, brine and water, and may be cold-blended or cooked with all commonly used drying oils. In the case of aluminum paint, these resins are in high favor since they promote leafing and leaf retention. If you are not already using them, it will pay you to write for further information.

NEVILLE CHEMICAL COMPANY • PITTSBURGH 25, PA.

NEVILLE

Please send information on Neville Chemicals.

NAME TITLE

COMPANY

ADDRESS

CITY NCI-OP STATE

Quality Tested

FOR THE BEST LACQUER FORMULATIONS

8-lb. extra light

pure French varnish

- *Greater compatability with nitrocellulose solvents*
- *Low acid number*
- *Good adhesion*
- *Light color*
- *Greater flexibility*
- *Excellent Gloss*
- *Exceptional clarity*

The Mantrose Corporation

Importers • Bleachers • Manufacturers

136-146 FORTY-FIRST ST. • BROOKLYN 32, N. Y.

Agents and warehouse stocks in principal cities

Allied Basic Chemical Co., Montreal 24, Canada
C. M. Durbin Company, Cincinnati, Ohio
Harry Holland & Son, Inc., Chicago 6, Ill.
Allied Basic Chemical Co., Toronto 12, Canada
Grant Chemical Co., Boston, Mass.
R. L. Kelley, Danbury, Conn.
J. A. Castro, Havana, Cuba
J. H. Hinz Company, Cleveland 13, Ohio
J. G. Roger Chemical Co., Inc., Baltimore 23, Md.
H. C. Ross, Burbank, Cal.
E. M. Walls Company, San Francisco, Cal.

Coatings Materials

After two successive weeks of price advances, buying interest in lead metal fell off last week. As a result, late last Friday the price of lead dropped one half cent per pound. At press time a major supplier had reduced its prices for red lead, litharge, and orange mineral correspondingly and another supplier was about to confirm similar changes.

An advance in lead carbonate posted earlier in the week was apparently uneffected by the reduction in pig lead. This also applies to leaded zinc oxides, slated to be advanced an additional ¼-⅜c. per pound on January 17.

As a result of the recent firming of zinc metal, lead free zinc oxides are scheduled to be raised ½c. per pound to 14½c per pound on January 17. In last week's market zinc metal was softer but the price held steady through the week.

Suppliers of synthetic resins announced last week that vinyls will be reduced 8.5 to 13 percent on January 9. It was disclosed by one supplier that the reduction was an attempt to broaden the market for vinyls, particularly in protective coatings uses.

Inquiry for natural gums was reported more active in last week's trading, indicating that business should be up to normal in the near future. Although buying is still limited to immediate needs, dealers report that their weekly sales totals have been comparatively good.

Price Trends

Advanced

Lead carbonate, 1c. per lb.

Reduced

Lead, red, ½c. per lb.
Litharge, ½c. per lb.
Orange mineral, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 14, 1955
100.10	100.10	98.26	97.10

For Current Prices see Page 9

Prime Pigments

Blue, Alkali—Two manufacturers of this pigment have withdrawn a 10 cent price advance scheduled for January 1 and January 3. In the announcement of one supplier it was explained that the advance was being withdrawn in order to meet the price of a major competitor who had not announced a similar increase.

Lead Pigments—An announcement last Friday that lead metal had slipped ½c. per pound brought about a ½c. reduction in red lead, litharge and orange mineral in the price listings of one major supplier. Another was about to confirm similar changes. New listings are red lead, 18½c. per pound, carlots; litharge, 17½c. per pound, carlots; and orange mineral, .2085c. per pound, carlots. An advance in lead carbonate posted earlier in the week was apparently uneffected by the reduction in pig lead.

Zinc Pigments—Due to the price upping reported last week for zinc metal, lead free zinc oxides will be advanced ½c. on January 17 to 14½c. per pound, carlots. In addition to the recent advance in leaded zinc oxides, leading manufacturers posted a further advance of ¼c. per pound on 50 percent grades and ⅜c. on the 35 percent grades, effective January 17. Prices in effect then will be 15⅞ and 15½c. per pound, respectively.

Lacquer Materials

Phthalates—Producers report that buying interest in these plasticizers has been consistently good. Although smaller firms have been offering the materials at slightly lower prices, prices quoted by major manufacturers have not changed, and are not likely to change through the current contract quarter expiring in March. Adequate supplies have been available for spot demand and contract commitments.

Tricresyl Phosphate—The leading manufacturers of this plasticizer recently increased their price listings 1½c. across the board as a result of an advance in the price of cresylic acid. Sales have held up to regular seasonal levels since the price revision was announced.

Fillers and Inerts

Bentonite—The price of this material has continued steady, with domestic material, 200 mesh, selling at $14 per ton. Supplies have been consistently adequate for all market needs.

Mica—While the price of this material has not moved in the last three years, makers may be contemplating an advance next spring. Market sources consider such an advance likely because of the national minimum wage law to be put into effect at that time and announcement of higher Atlantic freight rates. Most manufacturers found their 1955 sales running well ahead of the previous years' totals, with sales to the paint industry increased proportionately.

Synthetic Resins

Alkyds—Producers report that stiff price competition from smaller firms has caused sales volumes of this material to fall off somewhat. It was noted that in recent weeks alkyds have been the softest item in synthetic resin sales. Quotations of major manufacturers were unchanged in last week's trading.

Vinyls—To broaden the market for vinyl resins, particularly in protective coatings, a leading supplier recently announced an 8.5 to 13 percent price reduction, effective January 9. Following receipt of this announcement, it was learned that another supplier had announced similar changes effective January 3.

Natural Resins

Copal Gum—Inquiry was reported more active in last week's market, indicating that business should be up to normal in the near future. One marketer of copal gums has disclosed that its December sales were unusually good for that month, though not up to levels reached in normal months. Buying is still irregular and spotty, but weekly totals are considered good for this time of the year.

Shellac—Prices were reported steady in a quiet market. Some sellers expect sales to start picking up during the last week or so of January. In the meantime buying is quiet and irregular, indicating that purchases are for immediate needs. Prices have held steady throughout the December-January slump.

Miscellaneous

Casein—Argentine material continued firm last week at a spread of 31½-33 cents per pound. As supplies are exceedingly low right now, most selling offers obtainable are for anticipated production. New Zea-

Coatings Shipments, Output: November

	Factory shipments—Dollars		†Reported production—Gallons	
	November	October	November	October
Trade sales	$65,770,000	$70,422,000	19,058,000	19,275,000
Industrial sales, total	53,223,000	54,792,000	20,362,000	20,703,000
Paint and varnish	38,974,000	40,487,000	14,820,000	15,309,000
Lacquer	14,249,000	14,305,000	5,542,000	5,394,000
Overall totals	118,993,000	$125,214,000	39,931,000	40,567,000

Total sales, January through November—$1,428,287,000.

Coatings Materials

land casein is now selling in limited quantities at 34-35c. per pound.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

Drums—	Fri. Jan. 6	Mon. Jan. 9	Tues. Jan. 10	Wed. Jan. 11	Thur. Jan.12
I	$8.47	...	...	...	...
K	8.55§	...	...	$8.90	...
M	8.45§	$8.45	$8.43	8.43	...
N	8.52	9.00	...	9.00	...
WG	8.60	8.48	...	9.20	...
WW	8.67§	...	8.675§	8.78§	$8.65
Bags—					
G	...	...	...	8.32	...
M	8.35	...	...	...	...
N	8.34	...	...	8.60	8.35
WG	...	...	...	8.60	8.65
WW	8.64	...	...	8.70	8.70

Tankcars (for week ended Jan. 6)—
WG, $8.30; M or better, $8.15§.

Sales, USDA

727*	557*	1,000*	1,611*	1,046*

New York
(per 100 lbs., c.l., Friday)
B through N, $9.55; WG, $9.60; WW, $9.10

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price.	...	.56	...	.555	.555
Sales.	...	4,000¶	...	8,000¶	6,000¶

New York, Friday, per gal. 7 lbs., tankcars, 63½c., l.c.l. 75c.

*Drums equivalent. ¶Gallons.
§Average price.

Pharmaceutical Advertisers List '56 Officers, Directors

The Pharmaceutical Advertising Club has announced new officers and directors for 1956. They will preside at the first meeting of the year, January 12, at the Roosevelt hotel. Robert H. Spencer, advertising manager of Schieffelin & Co., New York, is the incoming president and chairman of the board.

Dr. J. N. McDonnell, vice-president of Schering Corporation, Bloomfield, N. J., is the president-elect for 1957. Vice-presidents are Arthur C. Emlin, general manager of J. B. Roerig & Co. and Dr. William T. Strauss, medical director for television of Ciba Pharmaceutical Products, Inc.

Wilbur M. Monday, sales promotion manager of Hoffmann-La Roche, Inc., is treasurer, and Thomas Lewis, advertising and export manager of Walker Laboratories, is secretary. Elected to the board of directors were E. A. H. King, general manager of Crookes Laboratories, and Lyman Stockman, assistant advertising manager of Organon, Inc.

Food Machinery Chooses Management Personnel Head

Food Machinery & Chemical Corporation has appointed Robert L. McEwen coordinator of management recruitment and placement for its chemical divisions.

Mr. McEwen has been associated with the Becco Chemical Division of FMC at Buffalo, N. Y., since 1935. For eleven years he headed Becco's pulp and paper research and development program.

In his new assignment, Mr. McEwen will work with the management of the six operating chemical divisions of FMC, and with the central research organization and staff department heads of the chemical divisions in filling the company's growing needs for professional and administrative personnel.

Witco Pioneer Products Unit Names Howell Chief Chemist

Appointment of H. C. Howell as chief chemist for technical development of Pioneer Products division, Witco Chemical Company, New York, has been announced.

Mr. Howell has been resident manager of the Trinidad asphalt plant and petroleum terminal of the Barber Oil Corporation, with which he had been affiliated since 1924.

Sinclair Appoints Horehled

Sinclair Chemicals, Inc., New York, a subsidiary of Sinclair Oil Corporation, has announced the appointment of Anton M. Horehled as manager of nitrogen product sales to direct Sinclair's sales of anhydrous ammonia and nitrogen solutions from the Calumet Nitrogen Products plant located at Hammond, Indiana.

DOMESTIC • IMPORTED
Caseins For Every Purpose
Very Reasonable Prices
Casein
SPECIAL CONSIDERATION GIVEN SMALL CONSUMERS
Main Office
THE ERIE CASEIN DRYERS
ERIE, ILLINOIS

Casein ALL GRADES
• SULPHURIC
• MURIATIC
• LACTIC
• RENNET
Casein for paper coating, adhesives, cold water paints, rubber, plastics.
NATIONAL CASEIN
608-18 West 80th Street, Chicago 20, Illinois ■ Broad and Fulton Street, Riverton, New Jersey

FOR
NITROCELLULOSE (Film) SOLUTIONS
NITROCELLULOSE (Cotton) SOLUTIONS
SPECIAL FORMULATIONS
CELLULOSE TRIACETATE (Safety) FILM SCRAP (Flakes or Rolls)
PIGMENT DISPERSIONS (Agents for Pennsylvania Color & Chemical Co.)
SOLVENTS
Call on HORN, JEFFERYS & CO.
20 W Burbank Blvd., Burbank, Calif. Phones: THornwall 6-2121—Victoria 9-1394

Plymouth
PLYMOUTH
STEARATES
ALUMINUM — ZINC — CALCIUM — MAGNESIUM
ESTABLISHED QUALITIES MANUFACTURED FOR 50 YRS.
M. W. PARSONS-PLYMOUTH, INC.
59 BEEKMAN STREET, NEW YORK 38, N. Y.
DISTRIBUTION POINTS AND AGENTS IN ALL PRINCIPAL CITIES

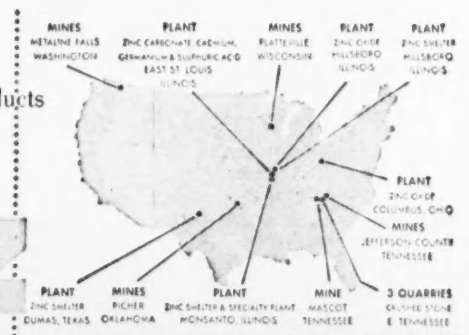
RONA
TRADE MARK
PEARL ESSENCE
FOR A NEW LOW COST PEARL FINISH
NATURAL and SYNTHETIC
For use in Paints, Lacquers, Varnishes and Synthetic—Bake or Air Dry finishes
RONA Laboratories Inc. 356 Doremus Ave., Newark, N. J.

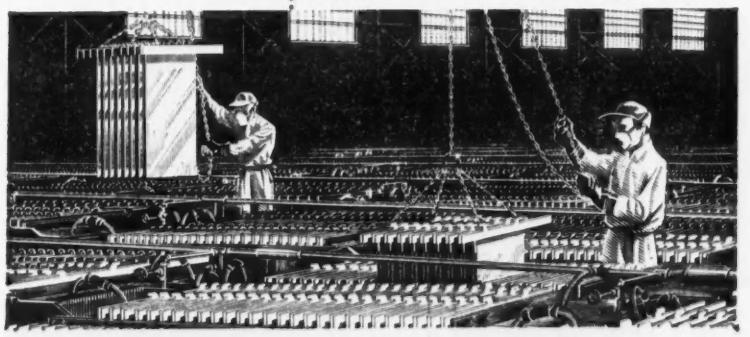
Cellulose Acetate
Cellulose Acetate Butyrate
Eastman CHEMICAL PRODUCTS, INC.
Subsidiary of Eastman Kodak Company
KINGSPORT, TENNESSEE

WATER GROUND MICA FOR PAINTS
"SILVERSHEEN SPECIAL" 325 MESH
RICHMOND MICA CORP.
NEWPORT NEWS, VA. 62 WORTH ST., NEW YORK 13, N. Y.
Canada: P. N. Soden & Co., Ltd., 2143 St. Patrick Street, Montreal 22, Canada

Synpro Stearates
Aluminum - Zinc - Calcium - Magnesium - Barium - Cadmium
Now completing second addition to our plant thus doubling our present capacity.
SYNTHETIC PRODUCTS COMPANY
1636 Wayside Road Since 1917 Cleveland 12, Ohio

American Zinc and its products from A to Z





OPERATIONS AT MONSANTO, ILLINOIS

Modern and recently expanded electrolytic plant producing special high grade slab zinc, which is sold primarily to the die casting and brass manufacturing industries. In conjunction is a specialty plant for the production of zinc ball anodes, heavy plating anodes and anodes for cathodic protection. For complete picture of American Zinc operations, see map above.

PRODUCERS OF
ALL GRADES OF SLAB ZINC
ZINC ANODES (Plating & Galvanic)
METALLIC CADMIUM
SULPHURIC ACID
LEAD FREE and LEADED ZINC OXIDES
ZINC CARBONATE
GERMANIUM DIOXIDE
AGRICULTURAL LIMESTONE
CRUSHED STONE

Distributors for
American Zinc sales Company
AMERICAN ZINC, LEAD & SMELTING COMPANY
Columbus, Ohio • Chicago • St. Louis • New York • Detroit • Pittsburgh

GILSONITE

ALL GRADES - UNIFORM - CLEAN

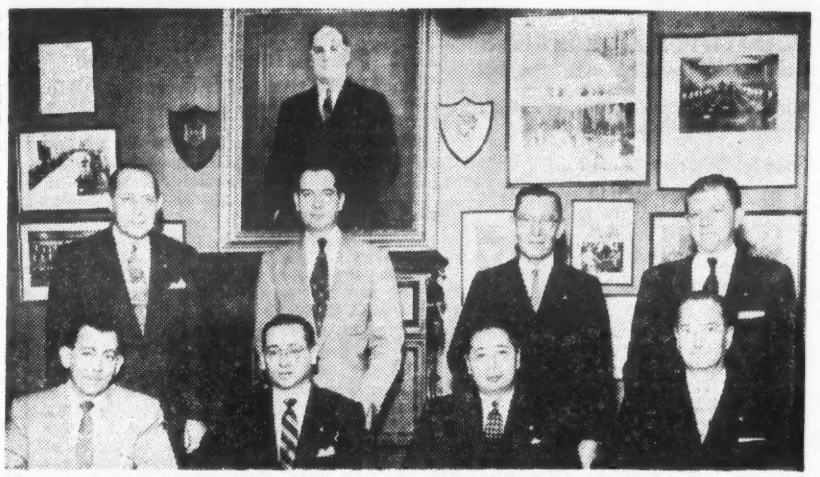
SELECTS M.P. 270-280°F. AND 290-305°F.
"JET" M.P. 320-330°F.

BRILLIANT BLACK
(REGISTERED TRADE MARK)
BLACK — UNIFORM VISCOSITY M.P. 340-360°F.

CARLOAD AND LESS CARLOAD STOCKS
AVAILABLE FOR IMMEDIATE SHIPMENT

FACTORY:
NEW MARKET, N. J.

G. S. ZIEGLER & COMPANY
99 CHURCH STREET, NEW YORK 7, N. Y.
AGENTS AND WAREHOUSE STOCKS IN PRINCIPAL CITIES



Magnus, Mabee & Reynard, Inc., New York, has enlarged its international division. Above is the executive staff of the division. Seated left to right is Ralph Paez, MM&R export traffic manager; Louis Santi, export sales manager; Pinfang Hsia, acting export manager, and Shockley C. Gamage, executive assistant, export department. Standing left to right is Bernard Jeffs, director of advertising; Don Cumming, technical service division; Gustave Langguth, manager of the MM&R import department, and F. Clifford Cummings, comptroller of the firm.

Borden's
LEMOL
Polyvinyl Alcohol

NOW AVAILABLE IN QUANTITY FOR PROMPT DELIVERY—

Increased facilities now enable Borden's Chemical Division to offer industry its wide variety of polyvinyl alcohols know as "LEMOLS."

These versatile LEMOLS can be used as emulsifiers and stabilizers . . . in adhesives . . . for paper coatings and saturants . . . for textile sizings and finishes . . . for binders . . . and for films, fibers and molded products.

The various viscosities of both fully and partially hydrolyzed LEMOLS enable the compounder to develop whichever of these properties are required:

FLEXIBILITY
ULTRA-HIGH VISCOSITY
NON-JELLING
ADHESION
NON-AGEING
LIGHT STABILITY
GREASE-PROOF QUALITIES
GAS-PROOF QUALITIES
PROTECTIVE COLLOIDAL ACTION
HIGH PIGMENT BINDING POWER
LOW COLD WATER SOLUBILITY
HIGH COLD WATER SOLUBILITY

If you would like further information, or samples of Borden's LEMOLS . . . write us without obligation. The Borden Company, Chemical Division, Monomer Dept. OP-16, Leominster, Massachusetts.

© T. B. C.

THE BORDEN COMPANY
Chemical Division
Monomer Department

ARGO

POLYOSES

A NEW GROUP OF SYNTHETIC WATER-SOLUBLE ADHESIVES

For Use in:

PREPARED PASTES
REMOISTENING GUMS
PAPER LAMINANTS
MUCILAGE FORMULATIONS

ARGO BRAND POLYOSES are available in several viscosity grades. Send for your copy of our POLYOSE Technical Bulletin.

CHEMICAL DIVISION
CORN PRODUCTS REFINING COMPANY
17 BATTERY PLACE
NEW YORK 4, NEW YORK

Essential Oils Future Sound; Coutin President

—*Continued from page 5*

tinued, "has been coming down slowly though steadily throughout the year, and has now returned to the level which obtained in the fall of 1954. Spearmint oil, on the other hand, has advanced about 12 percent from last year's low.

"Cedarleaf oil has shown a mild upward trend, but cedarwood oil dropped to almost half of its late 1954 level, and has just recently shown some mild recovery. New producing areas have been entering the picture. Wormseed oil has been declining quite steadily and is now off about 30 percent from the start of the year.

Brazilian Rosewood Oil

"Going down to South America," he said, "we find a moderate decline in the price of Brazilian rosewood oil, with a number of independent supplies in the field and less centralized cartel control.

"Peruvian rosewood oil is becoming increasingly important. Ocotea cymbarum has come down drastically and, of course, the prices of safrol and heliotropine have declined, although not quite as sharply.

"Oil of citronella Ceylon has declined moderately during the year while on the other hand Java type citronella oil, due to somewhat diminished production, has advanced quite sharply, although it has receded somewhat in the last few months. Firm prices for citronella derivatives have been the rule.

"Native oil of lemongrass," Mr. Gampert continued, "has declined rather steadily throughout the year, but recently has shown a tendency to firmness. Speculation appears to have played quite a part in the price of fluctuations of this oil. Any effects of synthetic processes for lemgongrass derivatives have not as yet become apparent.

"Going alphabetically down the list of the remaining more important oils, oil of bay has fluctuated rather aimlessly, bergamot, cloveleaf, coriander and petitgrain have all come down in prices; abies Siberica, geranium Bourbon oil, Mexican distilled lemon oil, lavendin, lavender Spike, higher ester lavender oils, patchouli oil, Spanish rosemary, vetivert Bourbon, and the several grades of ylang ylang have all remained fairly constant, with only minor fluctuations.

"East Indian sandalwood oil having registered a sharp advance over early 1955 levels, now shows signs of settling at more moderate range, but still far from the long prevailing old price.

Cassia and Anise Oils

"Some moderate quantities of cassia oil and oil of anise have been available during 1955, both at high prices, particularly the oil of cassia. Anethol has been in more plentiful supply.

"The epidemic of poor quality patchouli oil, even from established shippers is now pretty well cleared up, but raises the question, as have also some other problems, as to whether the EOA should not attempt to evolve a program which will place greater responsibility for performance on shippers and their brokers.

"Although I do not have weighted figures available, it is safe to say that essential oil prices were lower in 1955 than they were in 1954. Certainly the number of oils that declined in price, exceeded those that advanced," Mr. Gampert concluded.

The outgoing association president, Mr. Gampert, was elected to the organization's executive committee. Also named members of the executive committee were:

R. E. Horsey of Givaudan-Delawanna, Inc., New York; M. Lemmermer of Aromatic Products, Inc., New York; R. A. Engel of Trubek Laboratories, Inc., East Rutherford, N. J., and F. Lueders of George Lueders & Co., New York.

Chemical Industry P.A.'s

—*Continued from page 7*

J. Richard Sayers, manager, planning and research, purchasing department, Monsanto Chemical Company.

"Problems in Developing Chemical Specifications," panel discussion, with Elmer E. Schafer, director of control, Hoffmann-LaRoche, Inc., moderator. Panel members:—For research, Paul E. Carman, executive director, research and product development, S. E. Massengill Company; for production, Frank J. Messman, director of manufacturing, William S. Merrell Company; for control, Wayne W. Hilty, assistant manager, analytical control department, Eli Lilly & Co.; for purchasing (Chicago), Stephen F. Urban, director of purchases, E. R Squibb & Sons, a division of Olin Mathieson Chemical Corporation; (New York), Claire Brissette, manager of drug and chemical purchases, Parke, Davis & Co.

"Briefs on the Chemical and Allied Products Buyers' Group," Gailon C. Fordyce, general chairman.

"A Case Study in Chemical Buying" panel discussion; J. W. McKinney, assistant division purchasing agent, E. I. duPont de Nemours & Co.; N. C. Stiles, general purchasing agent, Chemstrand Corporation, and J. H. Saville, division purchasing agent, American Viscose Corporation.

"The Metric System—It Belongs in the Chemical Industry," Ara Call, Manager, technical service, Western Condensing Company.

"Application and Conversion to the Metric System at Eli Lilly & Co." (Chicago), Jack E. Schneider; (New York), Robert J. Dille, buyers of drugs and chemicals for Lilly.

Radioisotope Rules

—*Continued from page 4*

active materials available to each user under general license.

The revised regulation is effective February 10. It replaces the existing "Radioisotopes Distribution" regulation, first issued in 1951, governing distribution and use of radioisotopes shipped to distributors and consumers from various AEC installations through the commission's isotopes division in Oak Ridge, Tenn.

A system of general and specific licenses is established by the new regulation covering distribution of byproduct radioactive materials produced in nuclear reactors.

The revised regulations eliminates a number of administrative steps now required before reactor produced radioisotopes may be shipped abroad. Except for export to Soviet-bloc countries, commission licensees in the United States will now be able to ship byproduct materials having an atomic number from three to eighty-three, inclusive, directly to persons abroad.

Oils, Fats and Waxes

Export demand for edible oils continued to feature the oils and fats market last week. Sales of 10,000 tons of refined soybean oil were reported for shipment to Spain and 12,000 tons of refined cottonseed oil to Argentina against its authorization by the U.S. government for the purchase to 80,000 tons of edible oils. This resulted in fractional price advances in cottonseed, soybean, and corn oils. Crude coconut oil was slightly lower but steadier.

Further weakness developed in tallow and greases due to the lack of export business. All grades declined fractionally and increased offerings at the lower levels attracted little interest. Oleo oil was sharply lower. Lard was unchanged and steady.

Trading in industrial oils continued light and spotty. Linseed oil was higher reflecting the steadiness of flaxseed market. Prices were advanced fractionally. Tung oil also was firm and higher due to the scarcity of oil for nearby delivery and government sales at higher prices. Consuming inquiry for oiticica oil was inactive though market remained unchanged. Brazilian castor oil remained firm at prevailing prices, reflecting light offers from primary sources.

Cottonseed meal was firmer and light offers were held at $1 more per ton. Soybean meal production was curtailed in some quarters, but stocks were reported ample to meet current spotty demand.

Price Trends

Advanced

Acid, linseed, 3 10c. per lb.
Cottonseed meal, $1 per ton.
Oil, corn, crude, 1/8c. per lb.
  refd., 1/4c. per lb.
  Cottonseed, crude, 1/8c. to 1/4c. per lb.
  Linseed, 3 10c. per lb.
  Soybean, crude, 1/4c. per lb.
  refd., 1/4c. per lb.
  Tung, 1/4c. per lb.

Reduced

Cocoa butter, 1 1/2c. per lb.
Copra, $1.50 per ton.
Greases, 1/2c. per lb.
Oil, coconut, crude, 1/8c. per lb.
  Oleo, 1/2c. to 3/4c. per lb.
Tallow, 1/2c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 14, 1955
104.90	104.58	103.76	113.37

For Current Prices see Page 9

Vegetable Oils

Castor—This market was quiet, but steady. Domestic grades were unchanged and well held. No. 1 Brazilian was maintained at 14 3/4c. per pound, tankcars, New York, prompt delivery.

Coconut—Crude was steadier and held at 10 3/8c. per pound, tankcars, f.o.b. Pacific coast, and 11 1/2c., New York basis.

Corn—Market was firmer, with crude sales reported at 12 7/8c. per pound, tankcars, f.o.b. mills. Refined was higher at 16 3/8c., tankcars, New York, prompt delivery.

Cottonseed—Trading continued active in bleachable cottonseed oil futures last week. Market remained firm, reflecting the strength of crude oil and active export business. New investment buying combined with short covering absorbed fairly liberal hedging sales. Commission house and trade interests were on both sides. New high prices for the season were reached for May forward positions. Open interest also continued to reach new highs and totaled 4,177 contracts the highest since September 1952. Cash trading was reported quite active. Refined salad was stronger and advanced to 15 1/2c. per pound, tankcars, New York, prompt delivery. Shortening, bulk was lifted 1c. per pound last week.

Crude oil was stronger and up fractionally. Sales were reported at 12c. and bid in the southeast; 11 7/8c. sales and 12c. asked Valley and 12.10c., sales Waco and 11 7/8c. Lubbock, Texas.

Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, January 13, follow:—

	Sales	High	Low	Close
		—Cents per pound—		
Jan...	14	14.15	14.00	14.04 Nom.
Mar...	200	14.37	14.13	14.19@14.20
May...	405	14.52	14.25	14.34S
July...	429	14.61	14.33	14.43S
Sept...	294	14.47	14.19	14.25S
Oct....	52	14.38	14.20	14.20@14.21
Dec..	77	14.28	14.00	14.15@14.18

Total sales, 1,551 contracts.

Linseed—Firmness of flaxseed was reflected in oil and crushers raised quotations 3/10c. per pound. New business was restricted to fill-in needs, while consumers continued to absorb large quantities against former contracts. Raw oil was quoted at 13.3c. per pound, tankcars, Minneapolis, January-August delivery and 13.6c., warehouse.

Flaxseed—Stocks of flaxseed on farms on January 1 were reported at 16,530,000 bushels by the Department of Agriculture against 15,608,000, January 1 last year and 1945-54 average of 11,388,000 bushels.

Minneapolis.—Cash flaxseed followed an erratic course as crushers and exporters competed for free supplies. At the outset of the week, export interest again was in evidence and prices advanced to previous high, $3.35 a bushel, spot and to-arrive, basis Minneapolis, but closed at $332. Substantial sales were reported as high as $3.40. Trading in cash flax was active and it was estimated that exporters have taken nearly two million bushels of flaxseed out of this year's crop.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1955-56	Shipments 1955-56	Shipments 1954-55
Past week	948,500	169,750	47,250
Since Sept. 1	14,261,100	1,970,500	3,963,750

Olive—Light stocks on spot were firmly held at unchanged quotations. Spanish oil was maintained at $2.55 to $2.65 per gallon, drums, duty paid, as to quantity.

Peanut—Crude was unchanged, with sales noted at 17 1/4c. per pound, tankcars, southeast, prompt shipment. Offers were still light. Refined oil was offered at 22 1/4c. per pound, tankcars, New York, prompt delivery.

Soybean—This market continued on a firm basis as a result of active trading for export. Crude oil was higher with sales at 11 5/8c. per pound, tankcars, Decatur, January shipment and at 11 1/2c. February through July. Refined salad was firmer and held at 14 3/8c. per pound, tankcars, New York, prompt delivery.

Soybean Oil Futures

Sales and prices of crude soybean oil futures in tankcars (60,000 pounds) on the New York Produce Exchange for the week ended Friday, January 13, follow:—

	Sales	High	Low	Close
		—Cents per pound—		
Mar. ..	17	11.65	11.35	11.48@11.58
May ..	18	11.50	11.35	11.44S
July ..	51	11.45	11.26	11.39S
Sept. ..	18	11.25	11.12	11.17S
Oct. ..	7	11.15	11.10	11.10@11.14

Total sales, 111 contracts.

Tung—The government sold 8 additional tankcars at 25.06c. per pound, f.o.b. Gulfport, Miss., last week, about 1/4c. above previous sales. The local market remained firm with holders asking 26 3/4c. per pound, tankcars, New York, for nearby delivery. March forward was maintained at 26 1/4c., with bids 1/4c. less turned down. Domestic oil was steady and nominal at 26c. tankcars, f.o.b. mills.

Miscellaneous

Castor Beans—This market was reported merely nominal at $123. to $125. per ton, f.o.b. Brazilian ports.

Imports of castor beans and cas-

SWIFT'S RED OILS

INVITE COMPARISON

For obscure as well as for common needs, Swift's Red Oils invite your comparison on the basis of color, color stability and applicability to your specific requirements. Look over the specifications, compare—write for a trial order.

	905 OLEIC ACID	805 RED OIL	810 RED OIL	RED OIL SAP. GRADE
Titer (°C)	5 max.	5 max.	8-10	18 max.
FAC	.....	7 max.	7 max.	21 max.
Color 1¼" Cell, Lov	.....	30Y, 3R max.	30Y, 3R max.	.....
5¼" Cell, Lov	10Y, 1R max.	.....	.....	.....
FFA (as oleic)	98.102%	97.101%	97.101%	95% min.
Acid No.	195-204	193-202%	193-202%	190 min.
Iodine No.	90-96	88-95	88-93	83-93
Sap. No.	198-204	194-204	194-204	193-203
Unsap.	1.0% max.	3% max.	2.5% max.	3% max.

SWIFT & COMPANY

Swift 101 ST YEAR

INDUSTRIAL OIL DEPT.

1844 165th St. • Hammond, Indiana

To Serve Your Industry Better

WAXES...WAXES...WAXES...

NATURAL — COMPOSITION — SYNTHETIC

QUALITY and SERVICE

Since 1882

CINCINNATI
Theodore C. Kiesel
P.O. Box 93
Cincinnati 13 Ohio

NEW ENGLAND
Philip A. Houghten, Inc.
10 Huntington Ave. Boston 16 Mass

STROHMEYER & ARPE CO.
139 Franklin Street New York 13, N.Y.
Tel. WA 5-2300

CHICAGO
Clarence Morgan, Inc.
325 North Wells St. Chicago 10, Ill.

look to EMERY for...

UNIFORMITY

HIGH QUALITY

DEPENDABLE SERVICE

in

12-HYDROXYSTEARIC ACID, HYDROGENATED CASTOR OIL

Like the service that delivers them, Emery's Hyfac Hydrogenated Products are uniform in quality whenever you order. While this means consistent performance in your plant, it also points the way to consistent performance of your products in your customers' use.

So...the next time you need 12-hydroxystearic acid or hydrogenated castor oil order the HYFAC brand... available only from Emery.

Write Dept. 0 for descriptive booklet or an evaluation sample.

Emery

Fatty Acids & Derivatives
Plastolein Plasticizers
Twitchell Oils, Emulsifiers

Emery Industries, Inc., Carew Tower, Cincinnati 2, Ohio

New York • Philadelphia • Lowell, Mass.
Chicago • San Francisco • Cleveland
Ecclestone Chemical Co., Detroit

Warehouse stocks also in St. Louis, Buffalo, Baltimore and Los Angeles

Export: Carew Tower, Cincinnati 2, Ohio

DARLING'S
PEARL-STEARIC

A FREE-FLOWING
STEARIC ACID
IN BEAD FORM

•

Measures, Weighs, Mixes
and Melts Quickly

Also
Slab Stearic Acid
Oleic Acid
Red Oil
Fatty Acids
Glycerine
Pitch—and
Special Fatty
Acids for Rubber
Compounding

DARLING & COMPANY Manufacturers
42nd & S. Ashland Ave., Chicago 9, Ill.

SUN BLEACHED

Beehive Brand BEESWAX
• FINEST QUALITY
• GUARANTEED PURE

WILL & BAUMER CANDLE CO., INC.
Dept. E-1 Established 1855 Syracuse, N. Y.
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid

WARRANTED PURE BEES WAX

The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U.S.P.

SPECIFY TL BRAND
BEESWAX

THEODOR LEONHARD WAX CO., INC. (Dept. A)
Haledon Established 1852 Paterson, N. J.

GROCO 28
Alkyd Grade
DISTILLED
SOYA BEAN FATTY ACIDS

SPECIFICATIONS

Titre	25°	—	29°C.
Color 5¼" Lovibond Red	1	—	3
Color 5¼" Lovibond Yellow	8	—	20
Color Gardner 1933	2	—	4
Color Gardner 1933—after S. & W. Heat Test	5	—	8
Unsaponifiable	1.5% max.		
Saponification Value	198	—	203
Acid Value	197	—	202
Iodine Value (WIJS)	125	—	135

Send for samples and free booklet
"Fatty Acids in Modern Industry"

Manufacturers Since 1837
a. gross
& COMPANY
295 MADISON AVE., NEW YORK 17, N. Y.
Factory: Newark, N. J.
Distributors in principal cities

Oils, Fats, Waxes

for oil at New York and Philadelphia last week were as follows:

	Pounds—Beans	Pounds—Oil
Last week	3,767,400	3,622,000
Previous week	1,590,450	404,000
Corresponding week, 1954	10,679,100	3,340,000
Total this year	5,357,850	4,026,000
Corresponding period, 1954	12,443,550	4,590,000

Fats and Greases

Greases—This market continued unsettled with tallow. Light demand and liberal offerings weakened prices, which declined ½c. per pound. Export business continued inactive. Yellow grease was quoted at 7c. to 7¼c. per pound, tankcars, delivered, according to acid. Choice white all hog was nominal at 8c. and not all hog, 7¾c., same basis.

Lard—Market was irregular but closed steady at 10.90c. per pound, drums, Chicago.

Oleo Oil—Extra as lower with sales reported at 11c. to 11½c. per pound, depending upon quantity. Oleo stearine was more or less nominal at 10½c. to 10¾c. barrels, same basis.

Tallow—Quiet demand for export unsettled the market and quotations were off ½c. per pound. Domestic buying was limited at the decline. Offers were quite liberal at the lower levels and commanded little interest. Bleachable fancy was quoted at 7¾c. per pound, tankcars, delivered; extra, 7½c.; special, 7¼c. and No. 1, 7c., same basis. Higher cost of drums raised the price differential from tankcars to 1.1c. per pound from 1c. Guaranteed fancy was quoted at 9⅝c. per pound, f.a.s. Febuary shipment.

Fish Oils

Cod—Trading was reported slow. Replacements were quoted at 10⅞c. to 11c. per pound, exdock, prompt shipment. Oil on spot was scarce and nominal at 11½c. per pound, drums, exwarehouse.

Refined Fish — Market was unchanged and steady. Light pressed oil was quoted at 11c. per pound, tankcars, New York. New crop crude menhaden oil was reported sold at 8¼c. per pound, f.a.s. if and when made. Old crop was maintained at 8¾c. tankcars, works and 9c., f.a.s. Atlantic and Gulf coasts. Fishing off the Carolinas was reported poor.

Cake and Meal

Cottonseed Meal—This market continued steady with light offerings and increased buying interest. Forty one percent meal was sold on the basis of $58 per ton, sacked, Memphis; $57.50, North Alabama; $60, Georgia and South Carolina mills for January-February.

Linseed Meal — Trading more active. Market steady.

Minneapolis.—Good, demand prevailed for linseed meal and prices were steady. Extracted meal, 36 percent protein, was quoted at $57 to $57.50 a ton for prompt shipment, bulk, Minneapolis and $1 less for February forward. Quotations on old-process were at $62.50 for January, $61 for February and $60.50 for March-June.

Glidden Adds Paint Products Unit to Its Atlanta Facilities

A modern, newly-erected plant for the expanded production of industrial plant products has been added to the Atlanta, Ga., manufacturing facilities of the Glidden Company.

Constructed and equipped at a cost of $350,000, the two-story, masonry and reinforced concrete structure completes the second addition to Glidden's Atlanta plant since 1953. The new producing unit contains 30,000 square feet of sprinkler-protected manufacturing space.

Highly automated, the new plant utilizes a manufacturing method that combines gravity flow and a pump-pipe-line system. Production units include grinding, mixing, straining and filling equipment of modern design. Storage tank facilities for varnishes and solvents have been installed with each tank equipped with remote controls.

Thorium Basic Price Revised by the AEC

The Atomic Energy Commission has established a revised basic price of $43 per kilogram for thorium metal. This price will apply to licensees who plan to use thorium metal in nuclear reactors and for other enterprises for peacetime applications of atomic energy.

In establishing the price, the commission designated the Fernald Feed Materials Production Center as the f.o.b. point.

The commission plans to sell or lease thorium metal in limited quantities only until industry is prepared to meet commercial requirements.

Nat'l Starch Names Beggs To Head Vinyl Resin Sales

National Starch Products, Inc., New York, has appointed John D. Beggs to direct sales of vinyl resins to the paint and other protective coatings industries.

Mr. Beggs, in addition to directing resin sales to the paint industry, will coordinate the company's resin sales efforts to the adhesive manufacturing and other related chemical specialty fields.

He founded and was president and director of Gelvatex Coating Corporation in California, and earlier founded and became managing director of Vitretex Surfaces, Ltd., in England.

Rose Quits Treasury Post; Helped Draft Customs Laws

H. Chapman Rose resigned last week as Undersecretary of the Treasury to return to private law practice in Cleveland, Ohio. His successor was not named immediately.

During his three years in the Treasury department, Mr. Rose was directly concerned with the drafting of the several customs simplification laws which were of direct interest to the chemical industry. He also supervised the operations of the Bureau of Narcotics.

For Domestic and Export
COTTONSEED MEAL AND CAKE
PEANUT MEAL-SOYABEAN MEAL

Export Codes: ABC 5th, BENTLEY'S
JUNIOR PEERLESS

Cable Address: BRODE
Phones: L. D. 271 — Local 38-2544
Teletype No. ME-260

THE BRODÉ CORPORATION
P. O. Box 700 1012 Falls Building
MEMPHIS, TENNESSEE

IMPORTERS AND REFINERS
CARNAUBA • OURICURY • CANDELILLA • BEESWAX
REFINED, BLEACHED, FLAKED & POWDERED STOCKS
spot — shipment
Our ultra-modern refinery offers highest degree of uniformity in refining and blending.

The River Plate Corporation
WAX AND CHEMICAL DIVISION
573-589 FERRY ST. NEWARK 5, N. J.
Telephone: MArket 4-0410
Cable Address: RIVABID, Newark, N. J.

EQUIPONOMICS

CARPENTER 20 S.S. HEAT EXCHANGERS—(2) 240—1"x8' TUBES, STEEL SHELL, 500 SQ. FT.

BIRD CONT. CENTRIFUGE—36"x50" S.S. 304, COMPLETE.

BLENDER, 1500# CAP. ALL S.S., JACKETED, CENTER DISCHARGE, RIBBON, 10 H.P. MOTOR, 36"x6'6"x 42".

CHARLOTTE COLLOID MILL, ALL S.S. CONSTRUCTION, 3000 GPH, 40 H.P.

BALL MILLS—25 to 1,000 gallon.
CENTRIFUGE—Troy, 17", monel.
COLLOID MILLS—All S.S. 6", 8" and 10"; motorized.
CONDENSERS—9, all monel, 50 sq. ft. Shell & Tube. Expansion Joint.
FILTER, ADAMS TYPE—12 carbon tubes, S.S. 304, 30" ODx5'6".
HEAT EXCHANGERS—188 sq. ft. S.S. 304 tubes, steel shell; 25 sq. ft. all S.S.
MIXERS, D. A. SIGMA—Jktd. Steel and S.S. 50, 60, & 200 Gallon.
MIXERS, DRY POWDER—400, 600, 1000, 1500, 2000 & 3000 lb.
ROTARY DRYER—4'6"x30', 5/16" Shell.
TANK—300 gal., monel, dished heads. Complete with Turbine agit. & XP motor drive, ASME.
TABLET PRESS—STOKES—RB-1, complete.
WE BUY SURPLUS EQUIPMENT AND COMPLETE PLANTS

PROCESS PLANTS SERVICE, INC.
333 RAHWAY AVE. ELIZABETH, N. J.
Elizabeth 4-2722

IN STOCK

CAPPERS — CENTRIFUGALS — CONDENSERS — DRYERS — EVAPORATORS — FILLERS — FILTERS — FILTER PRESSES — GRINDERS — KETTLES — LABELERS — MILLS — MIXERS — PUMPS — SCREENS — CASE GLUERS — TABLET PRESSES — TANKS — ETC.

WRITE US OR CALL
SEELEY 8-1431

Send us your list of idle machines.

LOEB EQUIPMENT SUPPLY CO.
814 W. Superior St. Chicago 22, Ill.

STEIN EQUIP'T

OFFERS

DRYERS AND KILNS
Devine #12 & #23 Vac. Shelf Dryers.
Stokes 2'x6' Rotary Vac. Dryer.
2—Allbr. Nell 4x9 Atmos Drum Dryers.
1—Buffalo Vac. Drum Dryer, 24"x20"

CENTRIFUGALS AND CENTRIFUGES
4—Tolhurst 40" Suspended Type.
8—Centrifugals, 12", 20", 26", 30", 40" & 48" Steel, Copper, Stainless & Rubber.
6—Sharples No. 5A Stainless & #6.
2—De Laval Multi Clarifiers 300 & 301.

FILTERS
#2 Sweetland Filter 12 Stainless covered leaves
1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
Gen. Amer. 2'x1' Rotary Vac. Filter.
Sperry and Shriver 6" to 36" iron & wood.
Sweetland & Oliver Filters.

KETTLES AND TANKS
Pfaudler 500 gal. Glass Lined Jack Reactor.
Pfaudler 250 gal. Glass Lined Jack. Kettle.
Dopp 350 gal. Agit. Jack CI Vac Kettle.
2—Impreg. Units 30" & 36" dia. complete.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
1—250 gal. Lead lined Kettle.
Stainless, alum., copper. Glass lined, lead lined and steel kettles and tanks.

PULVERIZERS AND MILLS
2—Mikro Pulverizers #2TH & #2SI.
Abbe 37"x30" chrome-mang. Ball Mill.
Patterson Pebble Mills, 6'x8', 6'x5', 30"x42", Abbe 30"x30". Also Jar Mills.
#1 Raymond Autom. Pulverizer, 20 HP.
1—#00 Raymond Mill, 30 HP complete.
2—#0000 Raymond Mills.
Sturtevant #0, 18" hinged Hammer Mill.
Schutz-O'Neill #1 & 20" Pulverizers.
Williams #3 & 2XX Hammer Mills.
Ball & Jewell Rotary Cutters Lab & up.
Jeffrey 18"x18" single Roll Crusher.
Buchanan 5"x12" Jaw Crusher.
2—Robinson 18" & 22" BB Attrition Mills.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 9" x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
Houchin 18"x30" 4 Roll Granite Stone Mills.
2—U.S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS
Lancaster 6' dia. Vert. Mixer 25 HP.
Kent 3 HP. continuous dry mixer.
Baker Perkins double arm Mixers, 100 & 50 gals. Also single arm Mixers.
Blystone 3000# horiz. spiral mixer.
Day Brighton 20 gal. Change Can Mixers.
Read 50 & 100 gal. double arm mixers.
Read 80 qt. vert. mixer, 3 speed.
Orv. Simpson 20"x48" Rotex Sifter
Tyler 3'x5' Vibratory 2 deck Screen.
10—Dry Powder Mixers, 50 to 3,000#.
3—Day 8, 15 & 40 gal. Pony Mixers.
15—Portable Elec. Mixers, ¼ to 3 HP.
6—Lead and Paste Mixers to 150 gals.

MISC. AND SPECIALS
Kux 2½" dia. Tablet Machine.
Tablet Machines, Single Punch & Rotary.
Anderson & French Oil Expellers.
Kane 2 H.P. Gas Boilers, 200# pressure.
3—Stokes and Day Powder Fillers.
Filling Machines & Labelers.
Pneumatic Scale Automatic Capper.
1—Howe Mogul barrel and bag packer.
2—Worth 12"x12"x12" Vac. Pumps.
8—Devine, Buffalo, Stokes Vac. Pumps.
Conveyors & Elevators.
Soap Machinery for Toilet, Laundry, etc.
Centrif., Rotary, Duplex & Triplex Pumps.

PARTIAL LISTING. WRITE FOR BULLETIN. WE BUY YOUR SURPLUS MACHINERY & PLANTS

STEIN EQUIP'T CO.
107 EIGHTH ST., BROOKLYN 15, N. Y.
STERLING 8-1944

BRILL EQUIPMENT CO.

LIQUIDATION

Purchased 1953
Used 30 Days*

TANKS

1—Pfaudler 5'x18' Horizontal glass lined, 2500 gal.
1—Pfaudler 78" x 96" Vert. Glass lined 2300 gal.
2—1500 gal. 316 S/S 5' x 9' Vert. 20 PSI.
1—7500 gal. 316 S/S clad 12' x 6' x 5'6" cone.
1—750 gal. 316 S/S 5' x 5' cone bottom.
3—4' diam. 316 S/S Conical Hoppers.
2—3' x 32" 316 S/S Conical Hoppers.
1—2' x 3' Horizontal Closed 316 S/S.
1—2½' x 3½' Horizontal Closed 316 S/S.
2—3' x 3½' Horizontal Closed Nickel Clad
2—7' x 11' Vert. Steel Brick & Lead lined.
1—7' x 7'4" Vert. Steel Brick & Lead lined 50 psi.
1—6' x 6' Vert. Steel Brick & Lead Lined.
1—4' x 5'6" Vert. Steel Brick & Lead lined, 50 psi.
4—4' x 8' Hor. Steel ASME 25 psi.
1—4' x 5'4" Hor. Steel ASME 25 psi.
2—3' x 7' Vert. Steel ASME 25 psi.

PUMPS—CENTRIFUGAL

1—Lawrence Vert. 316 S/S 70 gpm 157' hd 20 HP.
1—Lawrence Vert. 316 S/S 55 gpm 107' hd 7½ HP.
2—Lawrence Vert. 316 S/S 50 gpm 107' hd 5 HP.
3—Karbate Series 5A 60 gpm 60' hd 5 HP.
9—Karbate new Impellers.
1—I.R. 1000 gpm Series 5CRVL 40 HP.
2—I.R. 1000 gpm Series 5CRVL 30 HP.
2—I.R. 650 gpm Series 5CRVL 30 HP.

CONVEYORS

3—Link Belt 316 S/S 18" x 12', 18" x 10' 18" x 7' twin screw.
1—Link Belt Steel 10" x 16' twin screw.
9—Link Belt 12" Troughing Belt Conveyors 15', 20', 30', 35', 45', 50' open and closed with drives and motors.

REACTOR—CONDENSERS

3—4' x 13' closed 316 S/S Reactors or Convertors with 109—3" x 6' 316 S/S tubes 150 psi.
1—Pfaudler 250 gal. Hastelloy C Reactor.
2—Pfaudler Monel Heat Exchanger 62 sq. ft.
8—Karbate Heat Exchangers 188, 70, 16.4 sq. ft.

DRYERS

1—Buflovak 6'x3'6" Monel Drum Flakers NEW with drives and motors.
1—Rietz 30' "Thermoscrew" Conveyor Dryer 304 S/S NEW with drive & motor.

MISCELLANEOUS

1—I.R. Jet Refrigeration Unit complete 208 Tons 65.5° F. to 40° F.
1—I.R. Jet Refrigeration Unit complete 136 Tons 50° F. to 45° F.
1—Patterson 7'6" Conical Blender Rubber lined with drive & 15 HP motor.
2—Buffalo-Forge Fans 10,000 cfm at 7" S.P., 20 HP motor.
30—Link Belt Reducers and drives from ¾ HP to 15 HP.

* All motors are 3/60/440 V. explosion proof.

SPECIAL

Large quantity Valves, Piping, Fittings in Stainless, Karbate, Glass, Glass-lined, porcelain, NEW & USED.
Large quantity explosion proof light fixtures, grating, conduit, structural steel.

SEND US YOUR REQUIREMENTS

IN STOCK

DRYERS

3—Link Belt Roto-Louvre 7'5"x20', 5'2"x20', 3'10"x12'.
2—Hersey 4'x30', 3'x20' S/S Hot Air Rotary.
2—Struthers-Wells 5'x15' nickel Rotary Vacuum.
2—Buflovak 42"x120" Atmos. double drum.
1—Buflovak 2'x4' double drum vacuum.
1—Stokes 138H Vacuum Shelf with 10—44"x40" shelves.
3—Devine double door Vacuum Shelf 17 and 20—59"x78" shelves.
3—Stokes Rotary Vac. 3'x15', 30"x8', 18"x42".
1—Devine Rotating Vacuum 5'x10'.
2—Louisville Rotary Steam Tube 38"x25', 6'x40'.
5—Rotary Dryers 5'x30', 5'x40', 4½'x50', 6'x40', 6'x74'.

MIXERS

8—Day "Cincinnatus" double arm 660, 250, 100 and 50 gals.
3—Baker Perkins 100, 50 and 2 gal. double arm, jacketed.
1—Sprout Waldron S S jacketed Powder, 27 cu. ft.
9—Steel jacketed Powder 50, 225 and 350 cu. ft.
1—Struthers-Wells 6'x9' S/S. Rotating, jacketed.
1—Patterson 6' dia. Steel Conical, with 7½ HP motor.

MILLS

1—Patterson NEW 6'x8' Porcelain lined Mill 50 HP motor.
3—Abbe Paterson 6'x8' unlined Ball Mills.
1—Patterson 3½'x4' steel Ball Mill.
1—Mikro Pulverizer #4TH.
1—Fitzpatrick Model D Comminuter, 3 HP motor.

CENTRIFUGES

1—Sharples PY-14, S/S Super-D-Canter.
2—Sharples C-20, C-27, Super-D-Hydrators, 316 S/S.
3—Sharples P16 Monel and S/S. Pressurtite Super Centrifuges.
1—AT&M 40" Suspended rubber covered, perforated basket.
4—Tolhurst AT&M 40", 36", 32", Suspended steel, stainless.
1—Bird 40" Suspended, rubber covered, imperforate basket.
1—AT&M 36" center-slung, rubber covered, perforated basket.
1—Fletcher 30" center-slung, S S perforated basket.
1—Tolhurst 26" suspended, rubber covered, perforated basket.

REACTORS, CONDENSERS, TOWERS, TANKS

1—2500 gal. 316 S/S jacketed, agitated Reactor.
8—4000 gal. 7'x14' Steel jacketed, agitated Kettles.
6—8000 gal. Steel Mixing Tanks with coils.
1—10'x16' Aluminum Tank, ½" shell, 10,000 gals.
2—Pfaudler 100 gal. glass lined, jacketed, agitated Reactors.
1—8500 gal. Horizontal Pressure Tank, 275# W. P.
2—10'x40', 10'x30' Horizontal Storage Tanks ½" shell.
5—S/S Towers 7'x25'6", 4'x30', 12"x14'.
25—Atmospheric S/S Heat Exchangers 715 & 477 sq. ft.
22—55 to 2400 sq. ft. S/S & Admiralty Heat Exchangers.

FILTERS

2—Oliver 8'x10' Monel Rotary Vacuum.
1—Swenson 4'x2' Nickel Rotary Vacuum.
1—Feinc 3'x1' S/S Rotary Vacuum String with Pumps.
1—Feinc 5'x3' Monel Rotary Vacuum String.
1—Niagara 110-20 Filter with 12 S/S leaves.
2—#3 Sweetland S/S Filters, 12-25" dia. leaves 75 sq. ft.
4—#3, #5, #7, #12 Sweetland Filters.
4—Shriver 36"x36", 30"x30", c.i. Filter Presses, P&F, washing.

MISCELLANEOUS

1—Foster Wheeler Dowtherm Unit 4½ million BTU.
4—Orville Simpson Rotex Sifters 40"x120", 40"x84."
6—Robinson, Sprout Waldron S/S Sifters 40"x84", single deck.
11—Stokes DDS2, D4, "R", and "T" Tablet Presses.
1—Ball & Jewell #2 Rotary Cutter.
7—Nash Vacuum Pumps #H7, #H6, #L5, #4, #2.
2—Beechruss Model D Vacuum Pumps 50 cfm.
7—Durco S/S Centrifugal Pumps 1" to 3".

Partial List of Values—Send for News Flash!

TEXAS OFFICE: 4101 San Jacinto St., Houston 4, Texas—Tel: Jackson 6-1351

BRILL EQUIPMENT COMPANY

2401 Third Ave., New York 51, N.Y. Telephone: CYpress 2-5703

PERRY EQUIPMENT CORP.

IN STOCK

JUST PURCHASED

5—Swenson Walker Crystallizers, 30' long each, welded jackets, excellent condition.

CENTRIFUGALS

1—AT&M Susp. 48" dia. Perf. Basket, St. St., Fume tight.

1—Fletcher Susp. 40" dia. Imperf. Basket, Steel.

1—Tolhurst Susp. 26" dia. Imperf. Basket, Steel.

1—Bird 36" x 50" Solid Bowl, Steel.

1—Bird 24" x 24" Horiz., Steel.

6—DeLaval Nos. 74-11; 94-01; 600, LA-11.

DRYERS

4—Devine #27 Vacuum Shelf Dryers, two-door, 17 shelves, 475 sq. ft.; with condensers.

2—Devine #23 Vacuum Shelf Dryers, two-door, 13 shelves, 365 sq. ft., with condensers.

3—Devine Vacuum Shelf Dryers, 6 shelves, 39" x 59", 80 sq. ft. 9½" space. UNUSED.

1—Bowen 5' dia. Stainless Steel Spray Dryer.

1—Stokes 3' dia. x 15' long Jacketed Rotary Vacuum Dryer.

4—Double Drum Dryers: 42" x 120"; 24" x 60"; 24" x 36"; 22" x 38".

4—Rotary Hot Air Dryers or Kilns: 10'6" dia. x 105' L, 5' x 30', 4'6" x 40', 3' x 24'.

3—Rotary Furnace Tubes 24" D x 8'6" L—Chrome nickel alloy.

1—Hardinge XC-2 Ruggles Coles Rotary Steam Tube Dryer, 4' D x 30' L.

2—Davenport Rotary Steam Tube Dryers, 6' dia. x 40'.

2—Davenport #2A Grain Presses.

EVAPORATORS—STILLS

1—Goslin-Birmingham 6775 sq. ft. Quadruple Effect, Vertical long copper tubes.

1—Conkey 1900 sq. ft. Triple Effect, Vertical long Herculoy tubes.

1—Buflovak 588 sq. ft. Double Effect, all stainless steel.

1—Stainless Steel, 145 sq. ft. coil, 500 gal. pot.

3—B & S St. St. Jktd. Agit. Evap. Kettles, 6' dia. x 3' deep.

1—Stokes 150 gal. St. St. Jacketed Vacuum Still.

3—Stainless Steel Packed Columns: 8" dia. x 26' H; 14" dia. x 25'; 23" x 80".

2—Stainless Steel Cascade Columns 5' dia. x 50' high.

FILTERS

3—Sweetland Filters: #12 (72 lvs.); #5 (20 lvs.); #2 (18 lvs.).

2—Oliver 5'3" dia. x 8' F Continuous Panel Type Filters, gas tight hoods and repulpers—UNUSED.

1—Swenson 8' x 8' Rotary Vacuum Filter, Precoat type. Acid proof construction.

9—Filter Presses open and closed delivery, 12" to 36".

1—Niagara #110-20 St. St. Pressure Filter, 110 sq. ft.

PERRY EQUIPMENT CORP.
1407 N. SIXTH STREET • PHILADELPHIA 22, PA.
Phone (Phila.) STevenson 4-7210

LIQUIDATING IN OHIO

1—Day #3 gearless Pony Mixer.

1—Tolhurst 40" rubber covered suspended Centrifugal.

1—Bonnot 50 x 22" Ball Mill.

1—Gruendler 10" x 16" Jaw Crusher.

1—Parsons #26 Oval Bag Dust Arrestor.

1—Parsons Material Conveying System.

1—Redler 3" x 21' Conveyor.

1—Northern Dust Collector, 2000 CFM.

1—Monarch #93 Simplex Furnace.

All items are motor driven and still set up as when last used.

The Machinery and Equipment Corp.
533 West Broadway New York 12, N. Y.
GRamercy 5-6680.
Harry Pearlman, Pres. Bill Wolf, Vice-Pres.

FOR SALE FROM STOCK

NEW STAINESS STEEL MIXERS DOUBLE RIBBON from 200 to 2,000 lb. capacity.
W&P 100 GALLON WC MIXERS jacketed sigma blades.
B&P LAB 2½ GAL. MIXERS new jacketed.
LIGHTNIN 3 HP PORT AGIT new surplus.
PATTERSON 4x5 BUHRSTONE lined PEBBLE MILLS.
BUFLOVAK DOUBLE DRUM DRYERS 32"x52", 36x84, 42x120.
SMALL AND LARGE BALL MILLS and PEBBLE MILLS.
MIKRO 1TH. 2DH. 3TH PULVERIZERS.
SEND US YOUR INQUIRIES and your OFFERINGS on USED and NEW EQUIPMENT

AARON Equipment Company
1347 So. Ashland Avenue, Chicago 8, Illinois
PHONE: CHesapeake 3-5300

BUY NOW

5'x15' Rotary Vacuum Dryer.
30"x8' Rotary Vac. Dryer, Stokes.
1106-36 L. B. Roto Louvre Dryer.
502-20 L. B. Roto Louvre Dryer.
310-12 L. B. Roto Louvre Dryer.
7'6"x110' Rotary Kiln.
5'x20' Baker Rotary Cooler.
304 HP Kewanee Boilers 125 PSI.
2100 CFM Sullivan Compressor.
C27 Sharples SuperDHydrator SS.
19 cu. ft. Patterson Blender.
27 cu. ft. SS Powder Mixer.
250 cu. ft. SS Blender.
140 cu. ft. dbl. Paddle Mixer.
200 gal. Baker Perkins Churn.
5'x8' Kennedy Ball Mill.
100 sq. ft. SS Heat Exchanger.
550 sq. ft. Heat Exchanger steel.
1800 sq. ft. Heat Exch. Everdur.
8'x10' Oliver Rotary Filter.
2000 gal. Reactor, 200 PSI.
1300 gal. glass-lined Tank.
500,000 gal. Tanks, welded.
30,000 gal. Propane Tanks, ASME.
10,000 gal. Propane Tanks, ASME.
6000 gal. Propane Tanks, ASME.
6'x29' SS Column 21 trays.
5'x18' Scrubber SS lined.
Gyro Sifter, Robinson, 28A, SS.
19"x12' Karbate Column, NEW.
8'-5'-18" Gayco Classifiers.
100 gal. Xanthate Baratte.
310 ton York Freon Unit, NEW.
6'x10-Hearth Skinner Roaster.

HEAT & POWER CO., Inc.
60 EAST 42nd ST., NEW YORK 17, N. Y.
MUrray Hill 7-5280
[*Machinery & Equipment Merchants*]

CUT DOWN—SHUT DOWN With "GRAND BUY" STAND BY FMC REBUILT EQUIPMENT

Featured Specials

Sharples H2 Nozljector at 6000 RPM; 6 nozzles; 2 Liquid Discharge; 2 Solids Discharge; 15 HP XPL Motor 3/60/220 with Starter; condition like NEW; original cost $35,000. FMC PRICE $8500.
Sharples C27 D-Hydrator Type BM-123 C-65V with Type 316 Stainless Steel Contacts; 30 HP XPL motor with automatic controls.
Bird 48" Rubber Covered Suspended Type Centrifuge with Plow and Fume Housing.
Tolhurst Overdriven Rubber Covered Centrifuge; 48" Perforate Basket.
Bird Continuous Centrifuge; 18" x 28"; with Solid Conical Bowl.
Baker Perkins CASCADE MIXER with Type 316 Stainless Steel Contacts; fully jacketed for 250 PSI.
NEW Porter Stainless Steel Jacketed Double Ribbon Mixer; 122 cu. ft.; Dimensions 4' x 4'6" x 7'6"; 25 H.P. Motor.
INCONEL Double Effect Evaporator; 850 sq. ft. & 430 sq. ft.
A. O. Smith Stainless Lined Pressure Tanks; 20,000 Gal. 10' x 30'; 135 PSI pressure.
Mojonnier Stainless Steel Vacuum Pan; 3' x 10' with Stainless Calandria and Downcomer.

BLENDERS

NEW Steel and Stainless Steel Ribbon Mixers from 400 lb. to 10,000 lb.

Baker-Perkins Cascade Mixer; Jacketed 250 PSI; type 316 S.S. contact parts.

Stainless Tumbling Mixer; 5'x5' with 3 Stand & 3 HP motor.

Sprout Waldron Stainless Continuous Cylindrical Ribbon Mixer; 28"x12'.

W&P Type Double Arm Heavy Duty Jacketed Mixers; 100 gal. & 200 gal.

DRYERS-EVAPORATORS

Hersey Rotary Gas Fired Counter Current Dryer; with flights; 5' diameter x 26' long.

Stokes Rotary Jacketed Dryers; 18"x8" and 34"x10' (Vacuum).

Louisville Rotary Steam Tube Dryers; sizes up to 54"x40'; complete.

Inconel Double Effect Evaporator; 850 sq. ft. and 430 sq. ft. Complete.

Combustion Engineering 2 Stage Flash Drying System; 1,000 pounds of evaporation per hour.

Continuous Dryer with Stainless Conveyor Belt, 33' long by 42" wide in a four-section housing 5'6"x4'x21' long.

FILTERS & FILTER PRESSES

Shriver & Sperry Pl. & Fr. Presses in Iron, Wood, Alum. Nickel, etc.

Sperry 36" Alum. 33 chamber Press; 4 eye with hydraulic closing.

Oliver Sweetland Filters from No. 2 to No. 12; wide choice.

Bird Young Rotary Vacuum Filter; 4'x4'; with Stainless Screens.

Hor. Stainless Rot. Vac. Filter; 7' Diameter with cone drive.

GRINDERS & MILLS

Mikro Pulverizers up to No. 4.

Williams Hammer Mills; in sizes up to 42"x48".

Fitzpatrick Stainless Comminutators.

Abbe, Patterson and International Pebble Mills up to 8'x8' with 50 HP.

Raymond SS Imp Mill with 50 HP motor.

Bauer Double Runner 24" Attrition Mill.

Hardinge Conical Ball Mill; 10'x48".

HEAT EXCHANGERS

Whitlock SS Heat Exchanger; 250 sq. ft.; 2 pass-tube side.

Stainless Heat Exchanger or Condenser; 185 sq. ft.; 300 Tubes.

Vertical Stainless Condenser; 220 sq. ft.; 231 Tubes.

Horizontal 2 Pass Floating Hd. Heat Exchanger; 500 sq. ft.

Stainless Steel Calandria Section; 300 stainless Steel ¾" Tubes; 38" long in S.S. Tube sheets; 185 sq. ft.

COLUMNS and STILLS

Stainless 16 section Column; 19' overall x 8⅝"; with Condenser, Decanter, Feed Tank and Accessories.

Aluminum 11 section Column; 36' overall; 27½" diameter; complete with Calandria, Deplegmator, etc.

Lummus Alcohol Recovery Unit; 4 sections; in copper; 21' overall height; 18" diameter.

Steel Still 54"x96" with steam coils and Receiver 54"x96" with manhole.

REACTORS

Struthers Wells Stainless Vac. Pans; 5'x12'8" with Calandria 630 sq. ft.

Glass Lined Reactors by Pfaudler and Glasscote; 25 gal. to 1,000 gal., some jacketed and agitated.

Lancaster SS Lined Rotary Reactor; Jktd; 50"x 17'4"; 300 PSI internal.

Monel Reactor; 785 Gal.; 5'x5'; Jacketed and agitated.

Dopp 650 Gal. Cast Iron; Jacketed Agitated; 80"x67".

Mojonnier Stainless Steel Vacuum Pan; 3'x10' with Stainless Calandria and Downcomer.

STERILIZERS

FEATURED!

Jacketed late type Sterilizers by American, Bramhall-Deane, Wilmot Castle with accessories and non-corrosive contacts; Sizes 24"x36"x60"; 30"x42"x84"; 30"x48"x84"; 36"x42"x84"; 48"x42"x96". Some NEW; others equal to new.

NEW EQUIPMENT IN STOCK

New Steel and Stainless Ribbon Mixers; Tumbling Mixers; Agitators; Stainless Kettles & Tanks; New Special Equipment Fabricated to Specifications.

NEW FMC 1936 FLYER READY—SEND FOR IT

SEND US YOUR LIST OF SURPLUS EQUIPMENT
LIQUIDATE YOUR IDLE ASSETS BEFORE TAX TIME

FIRST MACHINERY CORP.
209-289 TENTH STREET, BROOKLYN 15, N. Y.
FRED FIRSTENBERG, President
PARKING ON THE PREMISES
PHONE: STerling 8-4672
Cable "EFFEMCY"

EQUIPMENT
for CHEMICAL AND ALLIED INDUSTRIES

2—Buflovak Double Drum Dryers, Size 42″x120″, complete.

1—Link Belt Roto Louvre Dryer, Model 502-20, complete.

1—Devine 18 shelf Double Door Vacuum Shelf Dryer, 58″x104″.

1—Devine 18 shelf Double Door Dryer, Size 6′11″x15′.

1—Devine 17 Shelf Vacuum Shelf Dryer.

1—Bartlett & Snow Rotary Dryer, Size 54″ OD x 36′.

1—Pfaudler Glass-lined Rotary Dryer, Size 4′x45′.

1—Lummus Stainless Steel Heat Exchanger, 500 sq. ft.

65—Struthers Wells Stainless Steel Heat Exchangers, 600 sq. ft.

1—Mikro No. 2 TH Stainless Steel Pulverizer.

1—Ball & Jewel Stainless Steel Rotary Cutter, No. 0.

1—Feinc Type 316 Stainless Steel Rotary Vacuum Filter, Size 3′x1′.

1—Feinc Type 304 Stainless Steel Rotary Vacuum Filter, 3′x3′.

1—Oliver Rotary Vacuum Filter, Rubber-lined, 3′x6′.

4—Shriver 56″ Wood Plate and Frame Filter Presses, 30 chambers.

1—Shriver 42″ cast iron Filter Press, 54 chambers.

1—Sparkler Stainless Steel Filter Model 14M24.

8—Sweetland No. 12 Filters with 72 Stainless Steel Leaves.

3—Sparkler Steel Filters, 18S4, 18S8, 33 S7.

1—Bird 48″ Stainless Steel Suspended Type Centrifuge, perforated basket.

1—Fletcher Suspended Type Stainless Steel Centrifuge 40″ perforated basket.

1—AT&M Suspended Type Centrifuge, with 20″ Stainless Steel basket.

1—AT&M Stainless Steel Suspended Type Centrifuge, 48″ Imperforated basket.

5—Sharples Super Pressurite Centrifuge, stainless steel bowls.

1—J. H. Day 200 gallon Stainless Steel Double Arm Jacketed Mixer, Sigma Blades.

1—Day Stainless Steel Double Arm Jacketed Mixer, 50 gallons, Sigma Blades.

8—Baker Perkins Double Arm Jacketed Mixers, Sigma Blades, 100 gal. ea.

1—Baker Perkins Stainless Steel Laboratory Jacketed Mixer, Size 8.

1—J. H. Day Gearless Pony Mixer, 50 gallons.

2—Pfaudler Glass-lined Jacketed Reactors, Ser. EL, 200 gallons.

10—Steel Jacketed Kettles 2500 gallons each, 40# Jacket, ASME.

2—Steel Rubber-lined Storage Tanks 2500 gallons each.

4—Stainless Steel Storage Tanks, 2500 gallons each.

1—Stainless Steel Storage Tank, 10,000 gallons.

1—Blaw Knox 500 gallon Steel Jacketed Autoclave, 300# Internal, 150# Jacket.

1—Stokes DDS2 Rotary Tablet Machine.

R. GELB & SONS, INC.
UNION, NEW JERSEY — Est. 1886 — MUrdock 6-4900

"CONSOLIDATED" FOR SAVINGS!

CALL

3—Shriver 42″x42′ cast iron, plate & frame closed del. Filter Presses, 27-1″ chambers.
3—Day 15 gal. Pony Mixers, m.d. S.S. cans.
2—Haskins Cap Tighteners, m.d.
1—4TH Mikro Pulverizer 60 HP, tefc.
2—Stainless Steel Hersey Rotary Dryers, 5′x26′ and 6′x23′.
2—8′x125′ Rotary Kilns.
3—Buflovac 42x120, 32x120 Atmos dbl. Drum Dryers, complete; 1—American 24x36
2—54″x70″ and 1—40″x60″ Bird Continuous Centrifugals, S/S Solid bowls.

2—Unused ±12 Sweetland FILTERS, 48 bronze monel covered bottom drainage leaves 3″ c/c. Latest type; 1—±2, 23 copper leaves 1½″ cc.
1—Day ±30 Imperial jack. Mixer, 75 gal.
1—Buflovac 48″x40″ Drum Flaker, chrome plated, s s ends.
9—Sperry 18″x18″ Filter Presses, 11 ch.
1—Link-Belt Co. ROTARY DRYER, Roto-Louvre, ±502-16 Type C, 5′2″ dia, 16′ long with ±304 S S contact parts.
5—Horiz. Dry Powder Ribbon Mixers, 4000±, 1500±, 500±.

Wanted: Your Idle Machines or Plants

Our 38th Year

CONSOLIDATED PRODUCTS COMPANY, INC.
60 BLOOMFIELD STREET, HOBOKEN, NEW JERSEY
Tel.: HO 3-4435 • N. Y. Tel.: BA 7-0600

NEW AND GOOD-AS-NEW EQUIPMENT

1—Stainless Tank ±430 Chrome, vert. 7′x10′ deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
1—Day Mixer, steam jacketed, 50 gal. Sigma Blade.
1—Copper Evaporator, steam jacketed, 9′1″x3′9″.
80—New Pressure Cookers, 18″x18″ & 24″x28″.
150—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm.
1—Buflovak Jacketed Impregnating Tank 42″x52″.
1—4x8 Sturtevant Jaw Crusher.
1—Abbe Ball Mill, 36″x42″ Buhrstone lined.
±316 Stainless Steel Tanks, new 100, 200 & 360 gal.
1—Nash Air Compressor, Type AL-623.
1—Manton Gaulin Stainless Homogenizer, 125 gph.
1—I&R Vacuum Pump, 5 H.P., 60′.
4—Heat Exchangers, 12″ dia. 11′ lg., 43 steel tubes.
1—Stokes Single Punch Tablet Machine.
1—Raymond 3″ Hammer Mill, like new.
Davenport Rotary Steam Tube Dryer, 6′x36′.
2—Stainless Steel Steam Jacketed Readco Mixers.
1—±316 Stainless Reactor, 265 gals. cap., jacketed.
Abbe Pebble & Tube Mill, 5′x22′—Buhrstone Lined.
1—Patterson Ball Mill, porcelain lined, 17″x27″.
1—Patterson Ball Mill, 42x36, jacketed.
5—Dopp Kettles with agitators 600 gal. cap.
45—Steel Tanks from 100 to 100,000 gals.
2—Large Steam Jacketed Horizontal Mixers.
Robinson Pulverizer ±20, with 2 motors 10 HP each.
Robinson Ribbon Type Mixer, 30″x10′—like new.
4—Horizontal Retorts 200± w.p., A.S.M.E., from 12″ to 24″ dia., 4′ to 12′ long.
2—Crystallizers—10′ long.
3—3,000 gal. Jacketed Kettles with Turbo Agitators.
1—±10 Day 300 gal. jacketed Sigma Blade Mixer.
1—Sparkler Stainless Filter Model 18-S-23.
1—Sparkler Stainless Filter Model 33-S-9.
3—2500 gal. Pfaudler G/L Tanks & S/S Agitators.
6—Blackburn-Smith Jacketed Filters, 20 to 160 gpm.
1—Jeffrey Vibrating Conveyor, 15′ long.
4—Hoffman Steam Jacketed Filters.
1—Meade Mill ±2 with 7½ H.P. Motor.

H. LOEB & SON :-: 4643 LANCASTER AVE., PHILADELPHIA 31, PA.

GO . . . GET HEAD START
on New Year Production

1—200 gallon jacketed and agitated all nickel reactor.
2—Sweetland ±11 stainless filter, 695 sq. ft. area.
4—Shriver 30″ x 30″ cast iron filter presses, open del.
2—Bird and American Tool 40″ steel centrifuges, suspended types.
6—Stokes model E tablet presses.
14—Aluminum condensers, 400 and 600 sq. ft.
3—Conical blenders 25 to 90 cu. ft., stainless and steel.
2—300 gallon stainless jacketed and agitated kettles.
6—Patterson 4′ x 4′ jacketed chrome manganese lined ball mills, 250 gallons.
3—Patterson Pebble Mills 100, 200, and 250 gallons.
1—National Equipment stainless steel dry powder filling machine.
2—Colton model 14 automatic tube fillers, closers and crimpers.
1—Struthers Wells 20 gallon stainless steel jacketed and agitated reactor.
1—W & P 500 gallon mixer, jacketed, double arm.
4—Pfaudler 500 gallon jacketed and agitated G L reactors.
3—3500 gal. Aluminum Storage Tanks.
1—Fitzpatrick Model K Comminuter.
6—Day & Ross 40-15-8-2 gallon pony mixers.
15—Stainless steel tanks, 70 gallons to 1,000 gallons, open and closed.
1—Unused Haveg 750 gallon closed tank.
2—Mikro ±1 and ±2 pulverizers MD.
1—Morehouse speedline mill, 20 HP.

WE BUY YOUR SURPLUS — WHAT HAVE YOU FOR SALE

CHEMICAL & PROCESS MACHINERY CORP.
52 Ninth Street • HYacinth 9-7200 • Brooklyn, N. Y.

MODERN REBUILT EQUIPMENT
UNION Rebuilt Machinery Established 1912

Specially Priced For Quick Sale

Pneumatic Scale high speed Automatic Cartoning Units, 30 and 60 per min.
Copem B3F 4-Head Capper.
Baker Perkins 150 gal. Steam Jacketed Mixer and Dryer with Vacuum Dome, Jacketed Blades.
MRM Semi Auto. S. S. Vacuum Filler.
Resina S and LC Cappers.
Fitzpatrick "D" Comminuter, 5 HP.
Mikro 3TH, 3W, 2TH, 1SH and 1F Pulverizers.
Lehmann high-speed Three Roll Mill.
Baker Perkins, Day and Readco Double Arm Mixers, ½ to 200 gal. capacity.
J. H. Day ±3, 50 gal. Gearless Pony Mixer.
Day and Robinson 15 to 10,000 lbs. Dry Powder Mixers.
Day 650 gal. Steam Jacketed Jumbo Mixer.
Day, Rotex, Robinson, Tyler Hum-mer, Selectro and Gayco Sifters.
Copper, Aluminum and Stainless Steel Jacketed Mixing Kettles.
Stokes and Smith Model B Auger Transwrap.
Filler, Hope and Elgin Piston Fillers.
Triangle Elec-Tri-Pak Fillers, all models.
Stokes and Smith G1, G2, G6 and HG88 Auger Powder Fillers.
Ceco and Jones Carton Sealers.
Standard Knapp 429 Carton Sealer.
Pony M, ML, Ermold, World and Pneumatic Automatic Labelers.
Package Machinery Co. FA, FA2, FAQ Automatic Wrappers.
Hayssen, Oliver, Hudson Sharp, Scandia, Miller Auto. Wrappers.

This is Only a Partial List—OVER 5,000 MACHINES IN STOCK

Tell Us Your Requirements—Complete Details On Request

UNION STANDARD EQUIPMENT CO.
318-322 Lafayette Street New York 12, N. Y.

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less: 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication.

BUSINESS OPPORTUNITIES

Will Buy going color and pigment manufacturing concern in Metropolitan Area. OPD 843.

EQUIPMENT OFFERED

For Sale: two 4,750 gal. S.S.-T-304 vertical insulated Tanks; 4,000 gal. S.S.-T304 insulated Tank; 2,800 gal. and 2,500 gal. S.S.-T304 Tanks; 150 sq. ft. T304 and 785 sq. ft. T316 S.S. Heat Exchangers; 36" and 48" SS T304 Vacuum Pans; five jacketed reaction Kettles 200 to 300 gal. S.S. T304, 316, 347; Two-14,000 gal. glass lined Tanks; 6,000 gal. aluminum Tank; Niagara 95-36 pressure leaf Filter; 64" dia. chrome iron bubble cap Column. Best Equipment Company, 617 Davis Street, Evanston, Illinois. Davis 8-0326.

For Sale: new polished Chrome Steel Balls. 750 lbs. 5/8" dia., 350 lbs. 3/8" dia. Phone MAin 5-7096 or write OPD 831.

For Sale four tank car storage tanks 10,000 gallons each, sacrifice. Murro Chemical Co., 220 Broadway, WOrth 4-6655.

EQUIPMENT WANTED

Stainless Steel or monel, jacketed reactor, 50 to 250 gal. with agitator, bottom outlet, manhole. Also small glass lined reactors, proportionating pumps. OPD 847.

FACILITIES OFFERED

Pulverizing Of large lots to fine meshes (up to 325). Modern plant handles material from crushers into uniform paper bags. Near Philadelphia, Pa. OPD 848.

MATERIALS OFFERED

Materials Offered—5 tons ground eucalyptus leaves. Samples on request. OPD 846.

Copper Oxide, black exceptionally pure-samples on request. Price $700.00 per ton, FOB Houston, Texas. OPD 824.

MATERIALS WANTED

Sodium Bisulphite, anhydrous. Tonnage quantities, regular supply. Can use by-product or off-grade material. Low cost important. Need for SO2 main interest. Chemical Affiliates, Inc., 274 Madison Ave., New York 16, N. Y.

PLANTS OFFERED

Approximately Two acres of land with 4000 sq. ft. Concrete Block bldg. and income producing railroad trestle. Zoned for heavy industry. Ideal for Chemical, Paints, Plastic, and similar business. Located on borderline of Paterson & Clifton, N.J., adjacent to 3 major highways, 15 minutes from Lincoln Tunnel. Phone Union 6-8000 for appointment or write OPD 849.

PLANTS WANTED

Polyester Alkyd Resin facilities wanted. Large manufacturing company seeking to acquire 10,000,000 lb. Polyester and or Alkyd Resin plant and real estate, East of the Mississippi. Will negotiate equitably and promptly. OPD 850.

POSITIONS OFFERED

Consultant Wanted for commercial production and resolution of Amphetamine and or Desoxyephedrine. Give complete particulars by mail. OPD 844.

POSITIONS WANTED

Manager Chemicals Fertilizers allied products 30 years diversified export import experience some travelling Orient organizer creative flexible top references seeking position reliable firm or will invest participate profitable business. OPD 834.

Excellent Record of achievement in industrial chemical Sales Management by a personable able man age 39 familiar with all aspects of Industrial Sales with broad and substantial contacts. He has promoted, developed markets, trained and organized men, administered sales and established policies. Presently employed seeks position of greater scope. OPD 841.

Manufacturers Representative, thoroughly familiar with the protective and decorative coatings industries wants additional lines in Metropolitan Area. OPD 842.

ECH SPECIALS

Day 5 gal. S S jktd. vac. Mixer, sigma arms
Helcules 200 sq. ft. S S Leaf Filter.
Tolhurst 48" S S Centrifuge, exp. pf mtr
347 S S Tank 13,000 gals., 10½' x 21' 8" x ¼".
Gen American 42" x 120" twin drum dryer
Baker Perkins 100 gal. S S Mixer. 20 HP exp.
Sharples Super Centrifuge 316 SS 2 HP exp.
Baker Perkins Size 30, Type RWUEM, Jktd. Mixer, SS, 150 HP.

SPECIAL DEPARTMENT FOR NEW EQUIPMENT
We Buy Complete Plants or Single Units
Tel. SOuth 8-4451 - 4452 - 8782
YOU CAN BANK ON
EQUIPMENT CLEARING HOUSE, INC.
111 33rd Street • Brooklyn, N. Y.

PAINT EQUIPMENT

High Speed Stone Mills at low prices. Large Stock of good Used Paint Machinery including Pebble, Colloid and Roller mills, mixers, filters, tanks, hoists, X.P. lights and General Factory supplies.

— TO BUY OR SELL — TRY —
GENERAL TRADERS, Inc.
2633 W. Grand Ave. Chicago 12, Ill.
Phone: ARmitage 6-8050

MIXERS—13 gal. Stokes, Lancaster EBG3, —EAG3 & Simpson #2 w skip loader.

PEBBLE MILLS—18"x24", 24"x24", 24"x36", 4'x5', 6'x4', 6'x8'—also 24x36 stainless, 24x18 rubber lined w motors.

SCREENS—Great Western screen holders, Tyler 3x5 double deck Hummers Rotex 40x120 single.

ROTARY DRYERS—12"x22', 39"x21', 44"x 25', 5'x50', 7'x80'.

VACUUM PUMPS—Nash Hytor MD673, 623, 1253, H-6, H-7.

BLOWERS—Spencer Turbo 150 cfm, 16 oz., 270 cfm, 24 oz., 1300 cfm, 16 oz.

CRUSHERS—20x4, 11x26 jaw, 18x18, 32x12, 32x16 roll, 24x24 & 24x36 single roll.

AUTOCLAVE—1 gal. S S Jacketed, Agitated—1000 P.S.I.—internal.

BALL MILLS—5'x22" (tube) & Hardinge 2'x8", 4½'x16", 6'x22", 7'x48", & 7'x36" New.

PULVERIZERS—Mikro 2TH—15HP—Bauer 20" w 10 HP motors.

HAMMER MILLS—Jeffrey 24x30 Flextooth, 30x42" "Miracle", International Harvester model 1B w/cyclones.

REDUCERS—Reeves 3HP varidrive 12/36 rpm—Westinghouse 7½ HP gearmotors (New) 350 rpm.

LAWLER COMPANY
LAWLER PLACE, METUCHEN, N. J.
LIBERTY 9-0245

WANTED **INVENTORY CLOSE-OUT ITEMS**
SURPLUS CHEMICALS, PIGMENTS, RESINS, SOLVENTS
BY-PRODUCTS, MIXTURES, OFF-SPEC. MATERIALS
Also: NICKEL RANEY CATALYST
CHEMSOL, INC., • 70 Dod Street, Elizabeth, N. J. • EL 4-7654

we will buy your...

SURPLUS CHEMICALS

SOLVENTS WAXES OILS
RESINS DRUGS ETC.

WIRE OR PHONE
FOR IMMEDIATE ACTION

All offers held in strictest confidence

Barclay CHEMICAL COMPANY, Inc.
77 VARICK STREET NEW YORK 13, N. Y. • WO 4-5120

Imports at U. S. Ports

—Continued from page 51

SEEDLAC—1,750 bgs, Mantrose Corp, Bangkok
1,250 bgs, United Shellac Corp, Bangkok
1,000 bgs, Capitol Shellac Corp, Bangkok
250 bgs, Haeuser Shellac Co, Bangkok
250 bgs, Sino Java Inc, Bangkok
250 bgs, Wah Chang Corp, Bangkok
2,250 bgs, East Asiatic Co, Bangkok
445 bgs, Grace National Bank, Bangkok
750 bgs, Ralli Bros, Bangkok
250 bgs, Gillespie Rogers Pyatt, Bangkok
650 bgs, Gillespie Rogers Pyatt, Calcutta
500 bgs, Bradshaw Praeger & Co, Calcutta
500 bgs, Wm Zinsser & Co, Calcutta
3,650 bgs, Calcutta
2,300 bgs, Bangkok
SESAME SEED—500 bgs, Jacoberg Overseas Inc, Santos
HULLED—76 bgs, M J Golombeck, Bombay
76 bgs, Levy & Levis Co, Bombay
237 bgs, Louis Furth, Cristobal
336 bgs, Alexandria
SHELLAC—350 bgs, H C Smith, Calcutta
510 bgs, Wm Zinsser & Co, Calcutta
100 bgs, Gillespie Rogers Pyatt, Calcutta
150 bgs, Mac Lac Co, Calcutta
100 bgs, F H Paul & Stein Bros, Rotterdam
200 bgs, Schwab Bros, Bangkok
27 bgs, F H Paul & Stein Bros, Hamburg
550 bgs, Calcutta
SODIUM ALGINATE—150 dms, International Expediters, Glasgow
BICHROMATE—100 dms, Ferro Metal & Chemical Corp, Durban
CHLORITE—100 dms, Lo Curto & Funk, Hamburg
CYANIDE—1,070 dms, Chemical Manufacturing Co, Glasgow
GLUTAMATE, MONO—100 dms, Chase Manhattan Bank, Kobe
SILICATE—20 bgs, European Chemical Co, Rotterdam
SILICOFLUORIDE—200 bgs, H Sundheimer, Rotterdam
400 bgs, Harry Dixon & Sons, Yokohama
23 bgs, Antwerp
SULFATE, ANHYDROUS—4,600 bgs, Antwerp
SPERM OIL—281 tons, Pisco
STARCH—300 bgs, Morningstar Nicol, Rotterdam
SULFANILAMIDE POWDER—91 dms, Gane & Ingram Inc, Liverpool
SUMAC—14 bgs, Palermo
TALC—500 bgs, Whittaker Clark & Daniels, Marseille
3,380 bgs, Charles Mathieu, Genoa
TAPIOCA—440 bgs, Biddle Purchasing Co, Itajai
417 bgs, Standard Brands Inc, Itajai
300 bgs, Morningstar Nichol, Itajai
662 bgs, Stein Hall & Co, Itajai
FLOUR—10,780 bgs, Stein Hall & Co, Itajai
3,525 bgs, Manhattan Paste & Glue Co, Itajai
200 bgs, Poons Co, Itajai
1,000 bgs, American Metagraph Co, Itajai
10,580 bgs, Stein Hall & Co, Henrique Lage
2,000 bgs, Geismar & Co, Itajai
917 bgs, Harry F R Dolan, Itajai
4,000 bgs, Morningstar Nicol, Itajai
2,400 bgs, Internatio Rotterdam, Bangkok
3,000 bgs, Stein Hall & Co, Bangkok
2,617 bgs, Djibouti
TEA OF MATTE—20 cs, Meer Corp, Paranagua
THALLIUM SULFATE—1 cs, Rotterdam
TITANIUM DIOXIDE—1,081 bgs, M W Hardy & Co, Rotterdam
2 cs, Liverpool
POTASSIUM OXALATE—20 dms, C M C Chemicals Inc, Liverpool
TRICHLOROACETIC ACID—3 dms, Express Forwarding Co, Brenten
TRICHLOROETHYLENE—30 dms, Chemical Manufacturing Co, Liverpool
18 dms, Ayrest Lab, Liverpool
TUNG OIL—138 tons, Bunge Corp, Buenos Aires
350 tons, C Tennant Sons & Co, Buenos Aires
446 tons, Buenos Aires
ULTRAMARINE BLUE—12 dms Whittaker Clark & Daniels, Liverpool
UREA SYNTHETIC—4,500 bgs, Chemical Manufacturing Co, Liverpool
VALERIAN ROOT—32 bgs, Herbarium Inc, Rotterdam
VALONIA BEARDS—818 bgs, M E Bensignor, Izmir
650 bgs, Barkey Importing Co, Canakkale
VANILLA BEANS—40 cs, J Manheimer, Antalaha
26 cs, Gillespie & Co, Antalaha
18 cs, Djibouti
POWDER—12 cs, R L Oppenheimer, Marseille
VETIVER OIL—4 dms, Ungerer & Co, Port Au Prince
4 dms, Taconic Natural Oil Co, Port Au Prince
2 dms, Djibouti
VITAMIN B1—10 cs, Byco Ltd, Kobe
15 dms, Mitsubishi Corp, Yokohama
VITAMIN C—10 dms, Byron Chemical Co, Kobe
14 dms, Mitsubishi Corp, Yokohama
WATTLE BARK—2,709 bls, Hammond & Carpenter, Durban
EXTRACT—1,065 bgs, Beardmore & Co, Durban
1,516 bgs, Hammond & Carpenter, Durban
WAX—306 bgs, Wax & Rosin Products, Bremen
WHITING—400 bgs, C B Chrystal Co, London
3,200 bgs, Antwerp
WOOL GREASE—83 dms, Robeco Chemicals Inc, Fremantle
36 dms, Olson Sales Agency, Fremantle
52 dms, Chemical Bank, Fremantle
50 dms, Hudson Shipping Co, Antwerp
WAX—33 dms, Alexander & Co, Liverpool
2 dms, Olympic Shipping Co, Liverpool
YLANG YLANG OIL—13 cs, French American Banking Corp, Djibouti
ZINC CYANIDE—89 dms, Chemical Manufacturing Co, Liverpool
OXIDE—200 bgs, Vera Cruz
SULFATE—1,200 bgs, C J Osborn Co, Rotterdam
ZIRCON SAND—2,000 bgs, Lo Curto & Funk, Brisbane
3,000 bgs, Berkshire Chemicals Inc, Brisbane
1,200 bgs, International Titanium Corp, Brisbane

Baltimore

OCOTEA CYMBARUM OIL—47 dms, S Shapiro & Co, Itajai
6 dms, Bank of London & S A, Itajai
PEATMOSS—700 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
800 bls, C Gastmeyer, Rotterdam
QUEBRACHO EXTRACT—1,103 bgs, River Plate Corp, Buenos Aires
1,212 bgs, H Elkan & Co, Buenos Aires
2,674 bgs, International Products Corp, Buenos Aires
SODIUM SILICOFLUORIDE—500 bgs, J D Poorter, Kobe
TAPIOCA FLOUR—1,667 bgs, Harry F R Dolan, Itajai

Boston

BONEMEAL—1,756 bgs, Eastman Gelatine Corp, Buenos Aires

Boston

CARNAUBA WAX—375 bgs, Empire Trust Co, Parnahiba
CASEIN—1,500 bgs, P A Dunkel, Buenos Aires
COCONUT OIL—489 tons, Manila
COTTON LINTERS—46 bls, Wonalancet Co, Pisco
42 bls, Wonalancet Co, Callao
68 bls, Williamson Northup Co, Callao
DEXTRIN—30 bgs, Aisner Chemical Co, Rotterdam
GELATIN—200 bls, First National Boston, Rotterdam
30 bgs, First National Boston, Antwerp
GLUESTOCK—84 bls, First National Boston, Calao
PEATMOSS—400 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
POTATO STARCH—20 bgs, Aisner Chemical Co, Rotterdam
QUEBRACHO EXTRACT—1,105 bgs, River Plate Corp, Buenos Aires
SPERM OIL—278 dms, Callao
TAPIOCA FLOUR—600 bgs, Stein Hall & Co, Henrique Lage
1,000 bgs, Harry F R Dolan, Itajai
1,360 bgs, American Metagraph Co, Santos

Charleston

TAPIOCA FLOUR—300 bgs, Charleston Overseas Inc, Itajai

Los Angeles

CARAWAY SEED—150 bgs, B C Ireland, Amsterdam
CASEIN—100 bgs, Tupman Thurlow Co, Buenos Aires
COPRA—400 long tons, American Trust Co, Zamboanga
538.53 long tons, Procter & Gamble Co, Jolo
CAKE—607.10 long tons, Procter & Gamble Co, Dumaguete
485,654 lbs, Procter & Gamble Co, Nasipit
300 long tons, Procter & Gamble Co, Manila
CUMIN SEED—272 bgs, Overseas Shipping Co, Antwerp
MOLASSES—1,716.8 long tons, Southwestern Sugar & Molasses Co, Manzanillo
NAPHTHALENE—100 bgs, Irving M Sobin Co, Amsterdam
PEATMOSS—250 bls, H V Nootbaar Co, Hamburg
300 bls, Downey Fertilizer Co, Bremen
250 bls, Van Waters & Rogers, Hamburg
250 bls, Wilbur Ellis Co, Hamburg
42 bgs, Ludwig Mueller Co Inc, Singapore

—Continued on page 63

BENZOL Refining Facilities **WANTED**

to fractionate industrial 90 Benzene (Coal Tar). Continuous supply, large quantities. Reply Box 845, Oil, Paint and Drug Reporter, 30 Church St., New York 7, N. Y.

MILLS—3 roll and 5 roll J. H. Day, Ross, Lehman
PAINT MIXERS—J. H. Day, Baker-Perkins
CENTRIFUGAL—Tolhurst 48"
PULVERIZERS — RAYMOND, Mikro
FILLING MACHINES—Powder, Liquid, Paste
HIGHEST CLASS RECONDITIONING
Telephone: YArds 7-3665
JACKETED KETTLES—Stainless Steel and Plain
COLLOID MILLS
LABELERS — Spot, Can, Semi-automatic
TABLES PRESSES — Single and Rotary
WE BUY and or SELL SINGLE UNITS and COMPLETE PLANTS
NEWMAN TALLOW & SOAP MACHINERY CO. WE SELL THE WORLD OVER
NEWMAN TALLOW & SOAP MACHINERY CO. INC.
ESTABLISHED IN 1850
1051-59 WEST 35TH STREET
CHICAGO 9, ILLINOIS

MANAGER to expand imports and exports of Chemicals—Pharmaceuticals for firm established over 20 years. Must have definite connections with suppliers abroad. Executive ability compulsory.
Salary and terms open. Replies held in strictest confidence.
Box 851, Oil, Paint and Drug Reporter, 30 Church St., N.Y. 7, N.Y.

FREE!
$250,000.00 LIST
of
Chemicals, Pharmaceuticals, Pigments, Solvents, Reagents, etc.
SAVINGS UP TO 50%
Write for List, or Submit Specific Inquiries
CHEMICAL SERVICE CORP.
88 Beaver St., New York 5, N. Y.
HAnover 2-6970

MARAD
Keep 'em rolling . . . not rusting
For Sale
Steel storage tanks and complete tank cars, 6,500 to 12,000 gallons capacities, coiled and non-coiled.
Marshall Railway Equipment
Corporation
50 Church St., New York 7, N. Y., CO 7-8090
Cable MARAILQUIP

Advertisers Index

Aaron Equipment Company..... 60
American Agricultural Chemical Co., The... 1
American Zinc Sales Co..... 55
Anderson-Prichard Oil Corp..... 37
Baker, J. T., Chemical Co..... 8
Barclay Chemical Company, Inc..... 62
Barrett Division, Allied Chemical & Dye Corporation 42
Benzol Products Company..... 53
Berkshire Chemicals, Inc..... 49
Better Finishes & Coatings, Inc..... 34
Bios Laboratories, Inc..... 48
Borden Company, The..... 56
Bower, Henry, Chemical Mfg. Co..... 34
Bowman, Charles, & Co..... 50
Brill Equipment Company..... 59
Brode Corporation, The..... 58
Browning Chemical Corporation..... 34
Carbide & Carbon Chemicals Company, Division Union Carbide & Carbon Corporation. 39
Celanese Corporation of America, Chemical Division 64
Chemical & Process Machinery Corp..... 61
Chemical Service Corp..... 62
Chemical Solvents, C. P., Incorporated..... 64
Chemirad Corporation..... 40
Chemsol, Inc..... 62
Church & Dwight Co., Inc..... 32
Columbia Southern Chemical Corporation... 32
Commercial Solvents Corporation..... 27
Connelly, Inc..... 44
Consolidated Chemical Industries, Inc..... 35
Consolidated Products Company, Inc..... 61
Consulting Chemists and Engineers..... 41
Corn Products Refining Company..... 56
Coupe, Robert A..... 36
Darling & Co..... 58
Diamond Alkali Company..... 1
Dicalite Division, Great Lakes Carbon Corporation 44
Distillation Products Industries, Div. of Eastman Kodak Company..... 40
Duff Chemical Company, Inc..... 35
Dunkel, Paul A., & Company, Inc..... 48
Eastman Chemical Products, Inc.....40, 55
Emery Industries, Inc..... 57
Enjay Company, Inc..... 24
Equipment Clearing House, Inc..... 62
Erie Casein Dryers..... 55
Fairmount Chemical Co., Inc..... 50
Felton Chemical Company, Inc..... 53
Fezandie & Sperrle..... 44
Fine Organics, Inc..... 64
First Machinery Corp..... 60
Florasynth Laboratories, Inc..... 52
Fritzsche Brothers, Inc..... 52
Gane & Ingram, Inc..... 49
Gas Purifying Materials Co., Inc..... 34
Gelb, R., & Sons, Inc..... 61
General Chemical Division, Allied Chemical & Dye Corporation..... 15
General Traders, Inc..... 62
Greeff, R. W., & Co..... 49
Gross, A., & Company..... 58
Hall, C. P., Co., The..... 49
Harchem Division, Wallace & Tiernan, Inc.. 40
Harshaw Chemical Co., The..... 34
Heat & Power Co., Inc..... 60
Hercules Powder Company, Incorporated... 44
Heyden Chemical Corporation..... 38
Hoffmann-La Roche, Inc.....2, 13, 31
Hooker Electrochemical Company..... 35
Horn, Jefferys & Co..... 55
Hutchinson, D. W., & Co., Inc..... 52
International Minerals & Chemical Corporation 23
Jones & Laughlin Steel Corporation..... 29
Kolon Trading Co., Inc..... 44
Koppers Company, Inc..... 43
Lawler Company..... 62
Lemke, B. L., Co., Inc..... 51
Leonhard, Theodor, Wax Co., Inc..... 58
Lever Brothers Company..... 39
Loeb, H., & Son..... 61
Loeb Equipment Supply Co..... 59
Lucidol Division, Wallace & Tiernan, Incorporated 38
Lueders, George, & Co., Incorporated..... 52
Machinery & Equipment Corp..... 60
Magnus, Mabee & Reynard, Inc..... 52
Mantrose Corporation, The..... 54
Marshall Railway Equipment Corporation... 62
Mathieson Chemicals, Olin Mathieson Chemical Corporation.....17, 39
McKesson & Robbins, Incorporated..... 47
Meer Corporation..... 47
Michigan Chemical Corporation..... 16
Midland Tar Distillers, Inc., The..... 44
Mutual Chemical Division, Allied Chemical & Dye Corporation..... 45
National Casein..... 55
Neville Chemical Co..... 54
Newman Tallow & Soap Machinery Co., Inc. 62
Niagara Alkali Company..... 25
Nitrogen Division, Allied Chemical & Dye Corporation 34, 35
Nuclear Energy Research Bureau..... 63
Olin Mathieson Chemical Corporation Industrial Chemicals Division.....17, 39
Orbis Products Corporation..... 53
Cronite Chemical Company..... 19
Pacific Coast Borax Co..... 1
Parsons-Plymouth, Inc., M. W..... 55
Penick, S. B., & Company..... 46
Perry Equipment Corp..... 60
Pfaltz & Bauer, Inc..... 51
Philipp Brothers Chemicals, Inc..... 64
Potash Company of America..... 35
Prentiss Drug & Chemical Company, Inc.... 48
Prior Chemical Corporation..... 1
Process Plants Service, Inc..... 59
Procter & Gamble Co..... 40
Publicker Industries, Inc.....1, 10
Purocaine, Inc..... 48
Quaker State Oil Refining Corp..... 50
Raney Catalyst Co..... 40
Read, Chas. L., & Co., Inc..... 34
Reichhold Chemicals, Inc..... 18
Republic Steel Corporation..... 43
Richmond Mica Corp..... 55
Richter, Gedeon Pharmaceutical Products, Inc. 50
River Plate Corporation, The..... 58
Robeco Chemicals, Inc..... 64
Robertet, P., Inc..... 53
Rohm & Haas Company..... 21
Rona Laboratories, Inc..... 55
Sergeant, E. M., Pulp & Chemical Co., Inc.. 36
Sharples Chemicals, Inc..... 1
Sheffield Chemical Company, Inc..... 39
Shell Chemical Corporation..... 11
Foster D. Snell, Inc..... 45
Spencer Chemical Company..... 32
Stein Equipment Co..... 59
Strohmeyer & Arpe Co..... 57
Sumner Chemical Company, Inc..... 51
Sunkist Growers, Inc..... 22
Swift & Company..... 57
Synthetic Products Company..... 55
Texas Gulf Sulphur Co., Inc..... 54
Thurston & Braidich..... 51
Titanium Pigment Corporation..... 28
Tragacanth Importing Corp..... 51
Ungerer & Co..... 53
Union Carbide & Carbon Corporation, Carbide & Carbon Chemicals Company Division 39
Union Standard Equipment Co..... 61
U. S. Industrial Chemicals Co., Division of National Distillers Products Corporation 28a, 28b
United States Potash Company, Incorporated 36
U. S. Steel Products Division, U. S. Steel Corporation 14
U. S. Testing Company, Inc..... 64
van Ameringen-Haebler, Inc..... 53
Wershow, Milton J..... 34
West End Chemical Co..... 33
Westvaco Chlor-Alkali Division, Food Machinery & Chemical Corporation..... 6
Will & Baumer Candle Co., Inc..... 58
Wood, Alan, Steel Company..... 44
Wyandotte Chemicals Corporation..... 36
Ziegler, G. S., & Company..... 56
Zink & Triest Co..... 53
Zinsser & Company, Inc..... 45

Imports at U. S. Ports

—Continued from page 62

PEPPER—10 bgs, Max Van Pels, San Juan del Sur
POPPY SEED—2,680 pkgs, 100 bgs, Richard J Spitz, Amsterdam
SEEDLAC—42 bgs, East Asiatic Co Inc, Bangkok
250 bgs, P N Rowe, Bangkok
270 bgs, H M Newhall, Bangkok
TAPIOCA FLOUR—1,000 bgs, American Key Products Co, Bangkok
UREA—4,133 bgs, Antwerp

Norfolk

COCOA RESIDUE—748 bgs, Woodward & Dickerson, Rotterdam
STARCH—600 bgs, Morningstar Nicol, Rotterdam
TAPIOCA FLOUR—5,500 bgs, Morningstar Nicol, Itajai

Philadelphia

AMMONIUM CHLORIDE—998 bgs, Liverpool
ANTIMONY REGULUS—100 cs, C Gitlan, Antwerp
190 cs, Sibenik
BEEF EXTRACT—100 cs, Wilson & Co, Buenos Aires
CASEIN—1,000 bgs, National Casein Sales, Buenos Aires
1,000 bgs, Buenos Aires
CASTOR OIL—219 tons, Rohm & Haas, Calcutta
400 tons, Fortaleza
1,042 tons, Bombay
CRESYLIC ACID—100 dms, Manchester
CUTTLEFISH BONE—16 cs, R T French, Cebu
FUEL OIL—104,445 bbls, Socony Mobil Oil Co, Aruba
57,669 bbls, Socony Mobil Oil Co, Curacao
GYPSUM—7,820 tons, U S Gypsum Co, Deep Brook
LIVERMEAL—690 bgs, Ovimpex Inc, Buenos Aires
MAGNESITE—250 tons, Sibenik
MAGNESIUM CARBONATE — 593 bgs, Keer, Maurer, Liverpool
OXIDE—399 bgs, Keer Maurer, Liverpool
MOLASSES—1,076,348 gals, Guayabal
734,458 gals, Guantanamo
MYROBALANS EXTRACT—340 bgs, River Plate Corp, Liverpool
NAPHTHALENE—1,267 bgs, Gallard Schlesinger, Antwerp
PEATMOSS—300 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
PETROLEUM CRUDE—128,000 bbls, Esso Standard Oil Co, Puerto La Cruz
110,416 bbls, Socony Mobil Oil Co, Las Piedras
209,237 bbls, Socony Mobil Oil Co, Mena Al Ahmadi
172,297 bbls, Gulf Oil Corp, Mena Al Ahmadi
210,188 bbls, Gulf Oil Corp, Puerto La Cruz
189,233 bbls, Atlantic Refining Co, Brandar
100,181 bbls, Atlantic Refining Co, Caripito
126,769 bbls, Atlantic Refining Co, Banias
401,695 bbls, Atlantic Refining Co, Sidon
65,795 bbls, The Texas Co, Rastanura
115,193 bbls, The Texas Co, Las Piedras
QUEBRACHO EXTRACT—1,420 bgs, Olson Sales Agency, Buenos Aires
469 bgs, First National Boston, Buenos Aires
WATTLE EXTRACT—427 bgs, River Plate Corp, Durban

San Francisco

BEEF EXTRACT—829 cs, International Packers Ltd, Buenos Aires
BONEMEAL—655 tons, Consolidated Chemical Industries, Buenos Aires
CALCIUM CHLORIDE—1,000 bgs, Light Work Products, Antwerp
CASEIN—100 bgs, Tupman Thurlow, Buenos Aires
CASSIA—698 pkgs, Rotterdam
COPRA—350 tons, Cargill Inc, Jolo
250 tons, Cargill Inc, Dumaguete
400 tons, Bank of California, Dumaguete
400 tons, American Trust Co, Zamboanga
1,205 tons, Cargill Inc, Cebu
2,000 tons, Pacific Vegetable Oil Corp, Legaspi
750 tons, Cargill Inc, Legaspi
179 tons, Internatio Rotterdam,, Cebu
150 tons, Pacific Vegetable Oil Corp, Cebu
CUMIN SEED—88 bgs, H M Newhall & Co, Rotterdam
EPSOM SALT—800 bgs, Mattoon & Co, Bremen
GINGER WASTE—88 bgs, K L Lister, London
GRAPHITE—400 bgs, F H Lenway, Bremen
MOLASSES—207 tons, Manila
NUTMEG—100 bgs, Port of Spain
PETROLEUM,, CRUDE—15,831 tons, Tide Water Associated Oil Co, Mena Saud
30,412 tons, Tide Water Associated Oil Co, Mena Al Ahmadi
PHOSPHORIC ACID—30 dms, Jenolite Distributing Co, London
POPPY SEED—50 bbls, H J Van Leeuwen & Co,, Buenos Aires
SODIUM CYANIDE—100 dms, C M Chemicals, London
PERBORATE—5 dms, London
TRICHLOROETHYLENE—50 dms, N Y Hanseatic Corp, Rotterdam
UREA—689 bgs, Atkins Kroll & Co, Bremen
4,133 bgs, Atkins Kroll & Co, Antwerp
WHITING—900 bgs, Pluess Staufer, Antwerp

WHY NUCLEAR ENERGY WILL BRING MORE AND BETTER CHEMICALS AT LOWER COSTS

When the most technically advanced industry gets the GREATEST SCIENTIFIC DISCOVERY OF OUR TIME, you can expect FIREWORKS!

The Nuclear Energy Research Bureau has taken a good look at the impending results of this union. Its findings are available in a compactly written twenty-five page pamphlet that is real eye-opener.

Some Chapter Headings From This Revealing Study

Nuclear Energy May Initiate New Chemical Revolution

Many Effects of Nuclear Energy on the Chemical Industry

Production of Chemicals for Nuclear Energy Uses

Chemical Industry Participation in Nuclear Power Studies

Nuclear Power for Chemical Production

Radiation Chemistry — A Field With a Tremendous Potential

Rating the Chemical Companies in Atomic Energy

Startling Changes Already In Making

This study shows how Nuclear Energy is destined to wipe out geographical differentials in fuel and power costs for the chemical industry. Also included is a resume describing how eighteen different chemical companies are using radioisotopes, as well as a compilation of twenty-nine chemical companies that are among the new industrial users of radioisotopes. A special Section outlines the field work being done by leading chemical companies.

How To Obtain A Free Copy Of This Valuable Report

This Report is not for sale. It is part of our continuing research service in the Nuclear Energy field — a service which has attracted the attention of scientists and businessmen throughout the world. You may have a free copy by filling out and returning the coupon below.

NUCLEAR ENERGY RESEARCH BUREAU

68 William Street **New York 5, N. Y.**

Please send, without obligation, full information concerning the Bureau and how I can obtain a FREE copy of the 35-page report entitled "The Chemical Industry And Nuclear Energy"

Name_____ Date_____

Firm_____

Address_____

City_____ State_____

O.P. 1

PLASTICIZERS

Dibutyl–Diethyl–Dimethyl and Dioctyl Phthalates–Tricresyl Phosphate

THE CP CHEMICAL SOLVENTS
INCORPORATED

60 PARK PLACE, NEWARK 2, NEW JERSEY — MArket 2-3650 WOrth 2-7763

YOUR CONTACT WITH THE WORLD'S MARKETS · ROBECO · ESTABLISHED 1918

NAPHTHALENE

PARADICHLOROBENZENE

ORTHODICHLOROBENZENE

ROBECO CHEMICALS, INC.

25 EAST 26th ST., NEW YORK 10, N. Y.

CABLE ADDRESS "RODRUG" N. Y. ALL CODES

MUrray Hill 3-7500

TESTING for TOXICITY

Determination and evaluation of acute toxicity in accordance with procedures recommended by the National Safety Council. Procedures include skin irritation, skin penetration, patch tests, animal feeding, inhalation, and eye damage tests.

UNITED STATES TESTING CO., INC. Established 1880

America's Most Diversified Coast-to-Coast Testing Laboratory

UNITED STATES TESTING COMPANY, INC.

1920 Park Avenue, Hoboken, N. J.

BOSTON · PROVIDENCE · DENVER · MEMPHIS · DALLAS · ORREGO · LOS ANGELES · NEW YORK · PHILADELPHIA · WILMINGTON

In Canada: W. J. WESTAWAY COMPANY, LTD. Toronto · HAMILTON · MONTREAL · Winnipeg

---

LEADING MANUFACTURER OF CUSTOM MADE ORGANIC CHEMICALS

Let us show you why so many progressive industrial organizations rely on FINE ORGANICS to meet their most exacting chemical requirements.

a partial list of FINE ORGANICS products

ALBUMIN TANNATE, medicinal, *an astringent in treatment of diarrheas*

CALCIUM BOROGLUCONATE, medicinal, *a rich source of highly soluble calcium*

CALCIUM CAMPHOSULPHONATE, medicinal. *a circulatory stimulant*

CALCIUM IODOBEHENATE, U.S.P. XIII *a stable organic source of iodine*

HEXACHLOROETHANE

In water dispersable form for treatment of liver fluke;— as a rubber vulcanizing accelerator.

CIFON

Emulsifiable Sanitation Chemical for deodorizing garbage dumps, sewage treatment plants, cesspools, and privies.

FOR FOOD, DAIRY AND PHARMACEUTICAL PLANT SANITATION, VETERINARY AND MEDICINAL APPLICATIONS, AS DISINFECTANTS AND SANITIZERS.

GERM-I-TOL *Higher Alkyl Dimethyl Benzyl Ammonium Chloride*
DICHLORAN *Higher Alkyl Dimethyl Dichloro Benzyl Ammonium Chloride*
BROMAT *Cetyl Trimethyl Ammonium Bromide (Cetab)*
BRETOL *Cetyl Dimethyl Ethyl Ammonium Bromide (Ethyl Cetab)*
DBT *Dodecyl Benzyl Trimethyl Ammonium Chloride*
DMBC *O-Dimethyl Benzyl Lauryl Dimethyl Ammonium Chloride*

FINE ORGANICS, INC. F.O. MANUFACTURERS OF CHEMICALS

Write for Prices and Technical Data Sheets to DEPT. E-1

FINE ORGANICS, inc.

211 EAST 19th STREET • NEW YORK 3, N. Y.

Celanese* acetyl production *delivers*— for all industries

Celanese, dependent only on natural petroleum sources and Celanese-produced intermediates, can synthesize every important acetyl chemical and produce it in continuous volume.

Our two plants—at Bishop and Pampa, Texas—are a dual dependable source for:

ACETIC ACID
ACETALDEHYDE
ACETIC ANHYDRIDE
ACETONE
n-BUTYL ACETATE
n-PROPYL ACETATE

Celanese* CHEMICALS

*Reg. U. S. Pat. Off.

Celanese Corporation of America • Chemical Division • 180 Madison Avenue, New York 16

INDUSTRIAL CHEMICALS

Phibro

As exclusive agents, we offer for prompt shipment

COBALT SULPHATE MONOHYDRATE 37-38%
COBALT SULPHATE CRYSTALS 20-21%
COBALT OXIDE BLACK 70-71%
COBALT CARBONATE 48-49%
COBALT OXIDE GRAY 74-75%
COBALT CHLORIDE 24-25%
COBALT HYDRATE 60-61%
COBALT ACETATE 23-24%
COBALT NITRATE 20-21%
NICKEL CARBONATE
NICKEL SULPHATE
NICKEL CHLORIDE

Philipp Brothers Chemicals, Inc.

37 WALL ST., • NEW YORK 5, N. Y. • HAnover 2-4676

Cable Address: PHIBROCHEM NEW YORK

BOSTON 10, MASS. · PORTLAND, CONN.
PROVIDENCE 3, R. I. · PHILADELPHIA 6, PA. BALTIMORE 1, MD.